GURU KASHI UNIVERSITY

Bachelor of Arts

Session: 2021-22

Department of Arts

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

Bachelor of Arts (Code: 601)

Study Scheme

Semester: 1st

Sr.	Subject Code	Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	B601103	Communication Skills-I	T	5	0	0	5	50	50	100
2		Elective-I	T	5	0	0	5	50	50	100
3		*Elective-II/I	T	5	0	0	5	50	50	100
4		*Elective-II /II	T	5#	0	0	5#	50	50	100
5		*Elective-II /III	T	5	0	0	5	50	50	100
		Total No. of Credits					25			

	Elective-I	
Sr.No	Subject Code	Subject Name
1	A601101	Punjabi-I
2	601119	Punjab History & Culture-I

Elective-II/I , Elective- II/II &Elective- II/III (Any Three by selecting not more then one serial from a group)

Group 1

1	B601104	An Introduction to the Study of Prose Literature
2	A601105	Punjabi Literature -I
3	A601106	Hindi Literature -I

Group 2

4	A601107	History-I
5		Mathematics-I (Algebra,Calculus,Geometry)

Group 3

6	601109	Political Science-I

Group 4

7	300101	Fundamentals of Computer
8	601115	Music (Vocal)-I
	601116	Music (Vocal)-I (Practical)

Group 5

9	601122	Home Science-I	
	601123	Home Science-I (Practical)	
10	601112	Physical Education-I	
	601117	Physical Education-I (practical)	

Group 6

11	A601113	Economics-I

Group 7

12	601114	Sociology-I

Group 8

13	601120	Fashion Designing-I
	601121	Fashion Designing-I (Practical)
14	601118	Religious Studies-I

*If Elective Subject selected is Physical Education then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601112	Physical Education-I	T	3	0	0	3	50	50	100
2	601117	Physical Education-I(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Music then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601115	Music (Vocal)-I	T	3	0	0	3	50	50	100
2	601116	Music (Vocal)-I(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Fashion Designing then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601120	Fashion Designing-I	T	3	0	0	3	50	50	100
2	601121	Fashion Designing-I (Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Home Science then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601122	Home Science-I	T	3	0	0	3	50	50	100
2	601123	Home Science-I (Practical)	P	0	0	4	2	60	40	100

#If Subject selected is Mathematics-I then following:

Sr. No.	Subject Code	Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	A610101	Algebra	T	3	0	0	3	50	50	100
2	B610102	Calculus	T	3	0	0	3	50	50	100
3	A610103	Co-ordinate Geometry-I	T	3	0	0	3	50	50	100

Note: a) English Literature is not compulsory for those candidates who take the subject of Functional English.
b)Candidate can take maximum two elective subjects having practicals.

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Study Scheme
Semester: 2nd

Sr.	Subject Code	Subject Name	Type of Subject T/P	(Hours Per) L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	B601203	Communication Skills-II	T	5	0	0	5	50	50	100
2		Elective-III	T	5	0	0	5	50	50	100
3		Elective-IV/I	T	5	0	0	5	50	50	100
4		Elective-IV/II	T	5#	0	0	5#	50	50	100
5		Elective-IV/III	T	5	0	0	5	50	50	100
		Total No. of Credits					25			

Elective-III

Sr.No	Subject Code	Subject Name
1	A601201	Punjabi-II
2	601219	Punjab History & Culture-II

Elective-IV/I , Elective- IV/II &Elective- IV/III (Any Three by selecting not more then one serial from a group)

Group 1

1	B601204	An Introduction to the Study of Fiction
2	A601205	Punjabi Literature -II
3	A601206	Hindi Literature -II

Group 2

4	B601207	History-II
5		Mathematics-II (Differential Equations,Modern Algebra,Probability and Statistics)

Group 3

6	A601209	Political Science-II

Group 4

7	300202	Business Communication
8	A601215	Music (Vocal)-II
	601216	Music (Vocal)-II (Practical)

Group 5

9	601222	Home Science-II
	601223	Home Science-II (Practical)
10	601212	Physical Education-II
	601217	Physical Education-II (Practical)

Group 6

11	A601213	Economics-II

Group 7

12	601214	Sociology-II

Group 8

13	601220	Fashion Designing-II
	601221	Fashion Designing-II (Practical)
14	A601218	Religious Studies-II

*If Elective Subject selected is Physical Education then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	(Hours Per) L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601212	Physical Education-II	T	3	0	0	3	50	50	100
2	601217	Physical Education-II(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Music then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	(Hours Per) L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	A601215	Music (Vocal)-II	T	3	0	0	3	50	50	100
2	601216	Music (Vocal)-II(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Fashion Designing then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	(Hours Per) L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601220	Fashion Designing-II	T	3	0	0	3	50	50	100
2	601221	Fashion Designing-II (Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Home Science then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	(Hours Per) L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601222	Home Science-II	T	3	0	0	3	50	50	100
2	601223	Home Science-II (Practical)	P	0	0	4	2	60	40	100

#If Subject selected is Mathematics-II then following:

Sr. No.	Subject Code	Subject Name	Type of Subject T/P	(Hours Per) L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	A610201	Differential Equations	T	3	0	0	3	50	50	100
2	610202	Modern Algebra	T	3	0	0	3	50	50	100
3	610203	Probability and Statistics	T	3	0	0	3	50	50	100

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Study Scheme
Semester: 3rd

Sr.	Subject Code	Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
				(Hours Per						
1	B601303	Communication Skills-III	T	5	0	0	5	50	50	100
2		Elective-V	T	5	0	0	5	50	50	100
3		Elective-VI/I	T	5	0	0	5	50	50	100
4		Elective-VI/II	T	5#	0	0	5#	50	50	100
5		Elective-VI/III	T	5	0	0	5	50	50	100
		Total No. of Credits					25			

Elective-V

Sr.No	Subject Code	Subject Name
1	A601301	Punjabi-III
2	601319	Punjab History & Culture-III

Elective-VI/I , Elective- VI/II &Elective- VI/III (Any Three by selecting not more then one serial from a group)

Group 1

1	B601304	English Literature from Chaucer to The Eighteenth Century
2	A601305	Punjabi Literature -III
3	A601306	Hindi Literature -III

Group 2

4	601307	History-III
5		Mathematics-III (Advanced Calculus,Analysis-I,Mechanics-I (Statics))

Group 3

6	A601309	Political Science-III

Group 4

7	300304	System Analysis & Design
8	A601315	Music (Vocal)-III
	601316	Music (Vocal)-III(Practical)

Group 5

9	601322	Home Science-III
	601323	Home Science-III (Practical)
10	601312	Physical Education-III
	601317	Physical Education-III(Practical)

Group 6

11	A601313	Economics-III

Group 7

12	601314	Sociology-III

Group 8

13	601320	Fashion Designing-III
	601321	Fashion Designing-III (Practical)
14	601318	Religious Studies-III

*If Elective Subject selected is Physical Education then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601312	Physical Education-III	T	3	0	0	3	50	50	100
2	601317	Physical Education-III(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Music then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	A601315	Music (Vocal)-III	T	3	0	0	3	50	50	100
2	601316	Music (Vocal)-III(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Fashion Designing then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601320	Fashion Designing-III	T	3	0	0	3	50	50	100
2	601321	Fashion Designing-III (Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Home Science then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601322	Home Science-III	T	3	0	0	3	50	50	100
2	601323	Home Science-III (Practical)	P	0	0	4	2	60	40	100

#If Subject selected is Mathematics-III then following:

Sr. No.	Subject Code	Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	A610301	Advanced Calculus	T	3	0	0	3	50	50	100
2	A610302	Analysis-I	T	3	0	0	3	50	50	100
3	A610303	Mechanics-I (Statics)	T	3	0	0	3	50	50	100

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Sr.	Subject Code	Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
				(Hours Per						
1	B601403	Communication Skills-IV	T	5	0	0	5	50	50	100
2		Elective-VII	T	5	0	0	5	50	50	100
3		Elective-VIII/I	T	5	0	0	5	50	50	100
4		Elective-VIII/II	T	5#	0	0	5#	50	50	100
5		Elective-VIII/III	T	5	0	0	5	50	50	100
		Total No. of Credits					25			

Elective-VII

Sr.No	Subject Code	Subject Name
1	A601401	Punjabi-IV
2	601419	Punjab History & Culture-IV

Elective-VIII/I , Elective- VIII/II &Elective- VIII/III (Any Three by selecting not more then one serial from a group)

Group 1		
1	A601404	Literary Masterpieces: From Elizabethan To Romantic Period
2	B601405	Punjabi Literature -IV
3	A601406	Hindi Literature -IV
Group 2		
4	601407	History-IV
5		Mathematics-IV (Linear Algebra,Analysis-II,Mechanics-II (Dynamics))
Group 3		
6	A601409	Political Science-IV
Group 4		
7	300403	Management Information Systems
8	A601415	Music (Vocal)-IV
	A601416	Music (Vocal)-IV (Practical)
Group 5		
9	601422	Home Science-IV
	601423	Home Science-IV (Practical)
10	601412	Physical Education-IV
	601417	Physical Education-IV (Practical)
Group 6		
11	A601413	Economics-IV
Group 7		
12	601414	Sociology-IV
Group 8		
13	601420	Fashion Designing-IV
	601421	Fashion Designing-IV (Practical)
14	A601418	Religious Studies-IV

*If Elective Subject selected is Physical Education then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601412	Physical Education-IV	T	3	0	0	3	50	50	100
2	601417	Physical Education-IV(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Music then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	A601415	Music (Vocal)-IV	T	3	0	0	3	50	50	100
2	A601416	Music (Vocal)-IV(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Fashion Designing then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601420	Fashion Designing-IV	T	3	0	0	3	50	50	100
2	601421	Fashion Designing-IV (Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Home Science then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601422	Home Science-IV	T	3	0	0	3	50	50	100
2	601423	Home Science-IV (Practical)	P	0	0	4	2	60	40	100

#If Subject selected is Mathematics-IV then following:

Sr. No.	Subject Code	Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	610401	Linear Algebra	T	3	0	0	3	50	50	100
2	610402	Analysis-II	T	3	0	0	3	50	50	100
3	610403	Mechanics-II (Dynamics)	T	3	0	0	3	50	50	100

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Bachelor of Arts (Code: 601)									
Study Scheme									

Semester: 5th

Sr.	Subject Code	Subject Name	Type of Subject T/P	(Hours Per)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	A100302	Environment Studies	T	3	0	0	3	50	50	100
2	A601503	Communication Skills-V	T	5	0	0	5	50	50	100
3		Elective-IX	T	5	0	0	5	50	50	100
4		Elective-X/I	T	5	0	0	5	50	50	100
5		Elective-X/II	T	5#	0	0	5#	50	50	100
6		Elective-X/III	T	5	0	0	5	50	50	100
	Total No. of Credits						28			

Elective-IX

Sr.No	Subject Code	Subject Name
1	A601501	Punjabi-V
2	601519	Punjab History & Culture-V

Elective-X/I , Elective- X/II &Elective- X/III (Any Three by selecting not more then one serial from a group)

Group 1/Literature

1	A601504	English Literature from Victorian to Modern Period
2	A601505	Punjabi Literature -V
3	A601506	Hindi Literature -V

Group 2

4	601507	History-V
5		Mathematics-V (Numerical Methods,Co-ordinate Geometry,Number Theory-I)

Group 3

6	B601509	Political Science-V

Group 4

7	300501	Computer Networks
8	601515	Music (Vocal)-V
	601516	Music (Vocal)-V(Practical)

Group5

9	601522	Home Science-V
	601523	Home Science-V (Practical)
10	601512	Physical Education-V
	601517	Physical Education-V(Practical)

Group 6

11	A601513	Economics-V

Group 7

12	B601514	Sociology-V

Group 8

13	601520	Fashion Designing-V
	601521	Fashion Designing-V (Practical)
14	601518	Religious Studies-V

*If Elective Subject selected is Physical Education then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	(Hours Per)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	601512	Physical Education-V	T	3	0	0	3	50	50	100
2	601517	Physical Education-V(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Music then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	(Hours Per)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	601515	Music (Vocal)-V	T	3	0	0	3	50	50	100
2	601516	Music (Vocal)-V(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Fashion Designing then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	(Hours Per)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	601520	Fashion Designing-V	T	3	0	0	3	50	50	100
2	601521	Fashion Designing-V (Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Home Science then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	(Hours Per)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	601522	Home Science-V	T	3	0	0	3	50	50	100
2	601523	Home Science-V (Practical)	P	0	0	4	2	60	40	100

#If Subject selected is Mathematics-V then following:

Sr. No.	Subject Code	Subject Name	Type of Subject T/P	(Hours Per)			No. of Credits	Internal Marks	External Marks	Total Marks
				L	T	P				
1	A610501	Numerical Methods	T	3	0	0	3	50	50	100
2	A610502	Co-ordinate Geometry-II	T	3	0	0	3	50	50	100
3	A610503	Number Theory-I	T	3	0	0	3	50	50	100

Date:26/04/2021

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

Bachelor of Arts (Code: 601)

Study Scheme

Semester: 6th

Sr.	Subject Code	Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	A601603	Communication Skills-VI	T	5	0	0	5	50	50	100
2		Elective-XI	T	5	0	0	5	50	50	100
3		Elective-XII/I	T	5	0	0	5	50	50	100
4		Elective-XII/II	T	5#	0	0	5#	50	50	100
5		Elective-XII/III	T	5	0	0	5	50	50	100
		Total No. of Credits					25			

Elective-XI

Sr.No	Subject Code	Subject Name
1	A601601	Punjabi-VI
2	601619	Punjab History & Culture-VI

Elective-XII/I , Elective- XII/II &Elective- XII/III (Any Three by selecting not more then one serial from a group)

Group 1/Literature

1	A601604	World Literature
2	A601605	Punjabi Literature -VI
3	A601606	Hindi Literature - VI

Group 2

4	A601607	History-VI
5		Mathematics-VI (Metric Space,Complex Analysis,Operation Research and Linear Programming)

Group 3

6	A601609	Political Science-VI

Group 4

7	300601	Computer Graphics
8	601615	Music (Vocal)-VI
	601616	Music (Vocal)-VI (Practical)

Group 5

9	601622	Home Science-VI
	601623	Home Science-VI (Practical)
10	601612	Physical Education-VI
	601617	Physical Education-VI (Practical)

Group 6

11	A601613	Economics-VI

Group 7

12	B601614	Sociology-VI

Group 8

13	601620	Fashion Designing-VI
	601621	Fashion Designing-VI (Practical)
14	A601618	Religious Studies-VI

*If Elective Subject selected is Physical Education then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601612	Physical Education-VI	T	3	0	0	3	50	50	100
2	601617	Physical Education-VI(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Music then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601615	Music (Vocal)-VI	T	3	0	0	3	50	50	100
2	601616	Music (Vocal)-VI(Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Fashion Designing then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601620	Fashion Designing-VI	T	3	0	0	3	50	50	100
2	601621	Fashion Designing-VI (Practical)	P	0	0	4	2	60	40	100

*If Elective Subject selected is Home Science then following:

Sr.	Subject Code	Elective Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	601622	Home Science-VI	T	3	0	0	3	50	50	100
2	601623	Home Science-VI (Practical)	P	0	0	4	2	60	40	100

#If Subject selected is Mathematics-VI then following:

Sr. No.	Subject Code	Subject Name	Type of Subject T/P	L	T	P	No. of Credits	Internal Marks	External Marks	Total Marks
1	610601	Metric Space	T	3	0	0	3	50	50	100
2	610602	Complex Analysis	T	3	0	0	3	50	50	100
3	A610603	Operation Research and Linear Programming	T	3	0	0	3	50	50	100

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

ਪੰਜਾਬੀ ਲਾਜਮੀ –I, ਬੀ.ਏ-I (A601101)

Semester-I   L   T   P

Credits:05   5   0   0

ਉਦੇਸ਼:-

> ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਇਕਾਂਗੀ ਦੇ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ।

> ਨਿਬੰਧ ਰਚਨਾ ਤੇ ਪੈਰ੍ਹਾ ਰਚਨਾ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

> ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਵਿਆਕਰਨ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

> ਨਿੱਜੀ ਚਿੱਠੀ ਪੱਤਰ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

ਭਾਗ–�ੳ

1. ਇਕਾਂਗੀ ਯਾਤਰਾ, ਡਾ. ਸਤੀਸ਼ ਕੁਮਾਰ ਵਰਮਾ ਅਤੇ ਡਾ. ਰਘਵੀਰ ਸਿੰਘ (ਸੰਪਾਦਕ); ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

> ਪਹਿਲੇ ਭਾਗ ਵਿਚ ਸਾਰ ਅਤੇ ਵਿਸ਼ਾ ਵਸਤੂ ਨਾਲ ਸਬੰਧਿਤ ਦਸ ਅੰਕਾਂ ਦੇ ਕੋਈ ਦੋ ਸਵਾਲ ਪੁੱਛੇ ਜਾਣਗੇ ਵਿਦਿਆਰਥੀ ਨੇ ਇਕ ਕਰਨਾ ਹੋਵੇਗਾ।

ਦੂਜੇ ਭਾਗ ਵਿੱਚ ਪਾਤਰ ਚਿਤਰਨ ਅਤੇ ਪਾਤਰ ਉਸਾਰੀ ਨਾਲ ਸਬੰਧਿਤ ਦਸ ਅੰਕ ਦੇ ਦੋ ਸਵਾਲ ਪੁੱਛੇ ਜਾਣਗੇ ਵਿਦਿਆਰਥੀ ਨੇ ਕੋਈ ਇਕ ਕਰਨਾ ਹੋਵੇਗਾ।   **20 ਅੰਕ**

ਭਾਗ–ਅ

2. ਨਿੱਜੀ ਚਿੱਠੀ ਪੱਤਰ।   5 ਅੰਕ

3. ਇਸ਼ਤਿਹਾਰ ਲੇਖਣ ਅਤੇ ਸੱਦਾ ਪੱਤਰ ਲੇਖਣ   5 ਅੰਕ

4. ਸੰਖੇਪ ਨਿਬੰਧ ਰਚਨਾ (250–300 ਸ਼ਬਦਾਂ ਵਿਚ)   10 ਅੰਕ

ਭਾਗ–ੲ

5. ਭਾਸ਼ਾ: ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ, ਮਾਤ ਭਾਸ਼ਾ ਦਾ ਮਹੱਤਵ   5 ਅੰਕ

6. ਪੰਜਾਬ ਦੀਆਂ ਉਪਭਾਸ਼ਾਵਾਂ (ਮਾਝੀ, ਮਲਵਈ, ਦੁਆਬੀ ਅਤੇ ਪੁਆਧੀ)   5 ਅੰਕ

ਪੁਸਤਕ ਸੂਚੀ:

- ਡਾ. ਸਤੀਸ਼ ਕੁਮਾਰ ਵਰਮਾ ਅਤੇ ਡਾ. ਰਘਵੀਰ ਸਿੰਘ (ਸੰਪਾਦਕ); ਇਕਾਂਗੀ ਯਾਤਰਾ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

- ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰ, ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾ ਅਤੇ ਵੇਦ ਅਗਨੀਹੋਤਰੀ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ (ਭਾਗ–ਪਹਿਲਾ), ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ।

- ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਜਨਮ ਤੇ ਵਿਕਾਸ, ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼, ਮੈਦਾਨ ਪਬਲਿਕੇਸ਼ਨ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ ਪਟਿਆਲਾ।

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

COMMUNICATION SKILLS -I (B601103)

Semester-I	L	T	P
Credits:05	5	0	0

Course Outcomes:

The students of Communication Skills Course will be able to:

CO1: Develop an enhancement of the four basic skills of language –reading, writing, speaking and listening.

CO2: Handle a range of situations pertaining to daily life.

CO3: Understand the English language and have increased potential to communicate with accurate grammar and appropriate vocabulary.

CO4: Have competency in fields where oral skill is a requisite.

CO5: Have proficiency in writing skills at diverse levels of composition.

Course Contents:

Each Course will have four sections for UG/Diploma Programs

Unit I

1   Prose Parables (Orient Blackswan, 2013)-The following stories from the above volume are prescribed:
  o The Kabuliwallah : Rabindranath Tagore
  • The Eyes Are Not Here: Ruskin Bond
  • The Death of A Hero: Jai Nimbkar
  • The Voice of God : Premchand
  • The Portrait of a Lady : Khushwant Singh

Unit II

2   The Poetic Palette (Orient Blackswan, 2013) The following poems from this anthology are prescribed:
  • The Villain : W.H. Davies
  • Dont's : D.H Lawrence
  • The Tyger: William Blake
  • What Do Animals Dream: Yahia Lababidi
  • Magic Of Love: Helen Farries
  o The Charge of the Light Brigade: Lord Tennyson

Unit III

3   Texts Prescribed for Grammar Oxford Practice Grammar by John Eastwood (Exercises 01to 25)

Unit IV

4. Writing skills

- o Email
- o Applications: Official
- o Report writing for media
- o Consulting Dictionaries

Recommended Books:
   i) Prose Parables (Orient Blackswan, 2013)-
   ii) The Poetic Palette (Orient Blackswan, 2013)

Reference Books:
   i) The Student's Companion by **Wilfred D. Best.**
   ii) Oxford Practice Grammar (With Answers) by John Eastwood. Second Edition, OUP, 2004.

Website/Links/Online Portal/ICT
   i) https://www.loc.gov/acq/ovop/delhi/salrp/khushwantsingh.html
   ii) https://en.wikipedia.org/wiki/Rabindranath_Tagore
   iii) *scholastic.co.in › authors › ruskin-bond*

An Introduction to the Study of Prose Literature (B601104)

Semester-I	L	T	P
Credits:05	5	0	0

Course Outcomes:

The students of Literature will be able to:

CO1: To learn the basic of literature and society Develop an enhancement of the four basic skills of language –

reading, writing, speaking and listening.

CO2: Handle a range of situations pertaining to daily life.

CO3: Understand the English language and have increased potential to communicate with accurate grammar and appropriate vocabulary.

CO4: Have competency in fields where oral skill is a requisite.

CO5: Have proficiency in writing skills at diverse levels of composition.

Course Contents:

Each Course will have four sections for UG/Diploma Programs

Unit I

1. What is Literature?
2. Various Genres of Literature
3. Literature and History

Unit II

1. Prose
2. The Types of Prose

(i) Narrative
(ii) Epic
(iii) Dramatic
(iv) Informative
(v) Contemplative
(vi) Satire
(vii) Allegory
(viii) Parable
(ix) Oxymoron
(x) Biography and Autobiography
(xi) Irony
(xii) Fable
(xiii) Lyric
(xiv) Paradox

Unit III

Unit IV Language Items

(a) To Define

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Vowel

Consonant

(b)To List

Phonemic Transcription of some given words (One or two syllable)

Section-D

Prescribed Text

A Selection of English Prose compiled and edited by University of Kashmir, Dept.of English, Orient Longman 1999.

Recommended Books:
References Books:

1. M.H. Abrams: A Glossary of Literacy Terms
2. Twentieth Century Reader's Guide to Literacy Terms

Reference Books:

1. E.M. Forster: Aspects of the Novel
2. Herbert Read: Prose Style
3. English Pronouncing Dictionary by Daniel Jones, 17th edition (Cambridge University Press).

Website/Links/Online Portal/ICT

https://www.jstor.org/stable/456207?seq=1#metadata_info_tab_contents

ਚੋਣਵੀਂ ਪੰਜਾਬੀ -I, ਬੀ.ਏ-1 (A601105)

Semester-I   L   T   P

Credits:05   5   0   0

ਹਦਾਇਤਾਂ:-

ਭਾਗ-ੳ ਵਿੱਚੋਂ ਦਸ-ਦਸ ਅੰਕ ਦੇ ਦੋ ਸਵਾਲ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। ਪਹਿਲਾ ਸਵਾਲ ਤਿੰਨ ਵਿੱਚੋਂ ਕਿਸੇ ਦੋ ਦੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ ਦਾ ਹੋਵੇਗਾ। ਹਰ ਹਿੱਸੇ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ।ਦੂਜੇ ਹਿੱਸੇ ਵਿਚ ਕਵਿਤਾਵਾਂ ਦੇ ਸਾਰ ਜਾਂ ਵਿਸ਼ੇ ਵਸਤੂ ਸਬੰਧੀ ਤਿੰਨ ਵਿੱਚੋਂ ਕੋਈ ਦੋ ਸਵਾਲ ਕਰਨੇ ਹੋਣਗੇ।ਹਰੇਕ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ। ਭਾਗ ਅ ਵਿਚ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨਾਲ ਸਬੰਧਿਤ ਕੋਈ ਪੰਜ ਵਿੱਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹੋਣਗੇ ਹਰੇਕ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ।ਭਾਗ ੲ ਵਿਚ ਪੰਜ ਵਿੱਚੋਂ ਕੋਈ ਤਿੰਨ ਸੰਕਲਪਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰਨੀ ਹੋਵੇਗੀ ਹਰੇਕ ਦੇ ਤਿੰਨ ਅੰਕ ਹੋਣਗੇ।

ਭਾਗ-ੳ

1. ਸਾਵੇ ਪੱਤਰ, ਪ੍ਰੋ. ਮੋਹਨ ਸਿੰਘ।

ਭਾਗ-ਅ

2. ਪੰਜਾਬੀ ਸਹਿਤ ਦਾ ਇਤਿਹਾਸ (800 ਤੋਂ 1500 ਈ. ਤੱਕ)

ਭਾਗ-ੲ

3. ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਨਾਲ ਸੰਬੰਧਤ ਪੰਜ ਸੰਕਲਪ-ਅਭਿਧਾ, ਲਕਸ਼ਣਾ, ਵਿਅੰਜਨਾਂ, ਰੂਪਕ, ਉਪਮਾ।

   ਪੁਸਤਕ ਸੂਚੀ :

- ਜਗਬੀਰ ਸਿੰਘ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(ਆਦਿ ਕਾਲ ਤੇ ਭਗਤੀ ਕਾਲ) ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।

- ਪਰਮਿੰਦਰ ਸਿੰਘ, ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ ਅਤੇ ਗੋਬਿੰਦ ਸਿੰਘ ਲਾਂਬਾ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ ਲੁਧਿਆਣਾ।

- ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਸਮੀਖਿਆ ਪ੍ਰਣਾਲੀਆਂ, ਪੰਜਾਬ ਸਟੇਟ ਟੇਕਸਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ।

fgUnh lkfgR;-I **(A601106)**

	L	T	P
Semester-I			
Credits:05	5	0	0

ikB~;dze ds mn~ns”;

1&fo|kfFkZ;ksa dks fgUnh dkO; dk Kku djokuk

2&izsepUn }kjk jfpr fueZyk miU;kl ds ek/;e ls vuesy fookg ds nq’ifj.kkesak ls ifjfpr djokuk

3&MkWO y{ehpUnz [kqjkuk }kjk laikfnr dgkfu;ksa dk v/;;u djokuk

4&jk’V~j Hkk’kk fgUnh dh vko’’;drk ,oa blds egRo ds ckjs esa crkuk

5&fo|kfFkZ;ksa dh fgUnh lkfgR; esa #fp iSnk djuk

funsZ”k %

1 &iz’’u i= ds dqy rhu Hkkx gksaxs A

2&Hkkx d esa ls IkkWap iz’’u iwNs tk,Waxs AlHkh iz’’uksa ds mRrj nsuk vfuok;Z gksxk A   dqy vad 10

3&f}rh; Hkkx [k esa ls N% iz’’u iwNs tk,Waxs Aftuesa ls fdUgha pkj iz’’uksa ds mRrj nsus gksaxs A   dqy vad 20

4&r`rh; Hkkx x esa ls rhu iz’’u iwNs tk,Waxs A ftuesa ls fdUgha nks iz’’uksa ds mRrj nsus gksaxs A   dqy vad 20

<div align="center">**Hkkx d**</div>

1&nhfidk %dkO; laxzg &laO gsejkt fueZe]iatkch fo’’ofo|ky; izdk’’ku

d &HkkjrsUnq gfj’’pUnz %;equk “kksHkk]Hkkjr]fo;ksfxfxuh ukjh [k&eSfFkyh’’kj.k xqIr %lkdsr]nksuksa vksj izse iyrk gS];’’kks/kj x &t;’’akdj izlkn %vkWalw ls]izse ifFkd ls]vk’’kk ?k &lw;Zdkar f=ikBh fujkyk %twgh dh dyh]fHk{kqd]fo/kok

<div align="center">**Hkkx [k**</div>

2 &fueZyk %miU;kl]jktdey izdk’’ku]fnYyh

<div align="center">**Hkkx x**</div>

3 &ltho dgkfu;kWa %laO MkWO y{eh pUnz [kqjkuk]iatkc fo’’ofo|ky; paMhx<+ }kjk izdkf’’kr]dsoy ikWap dgkfu;kWa “krjat ds f[kykM+h]eerk]vf’’kf{kr dk g`n;]ekSr ds eqWag esa]lH; &vlH;

<div align="center">**Hkkx ?k**</div>

4&fgUnh lkfgR; dk bfrgkl %dky foHkktu]ukedj.k]vkkfndky ifjfLFkfr;kWa]vkkfn dky dh izo`fr;kWa

- Lkgk;d iqLrdsa %

1 fgUnh lkfgR; dk bfrgkl %vkpk;Z jkepUnz "kqDy]yksdHkkjrh izdk"ku

2&fgUnh O;kdj.k

3&Hkk'kk foKku %MkWO Hkksyukukk Frokjh

4&jk'V~jHkk'kk vkSj fgUnh %jktsUnz eksgu HkVukxj]dsO fgO laLFkku]vkxjk

History-I (A601107)

Semester-I   L   T   P
Credits:05   5   0   0

Ancient History of India (upto 712 A.D.)

Objectives:
- To enhance the knowledge of the learner about Ancient India.
- To understand the various concepts regarding Political and Social customs of Ancient India.
- To provide information regarding Religion & Economic Development in during period.

SECTION-A
1. The Indus Civilization: Origin; Extent, Main features and the causes of its decline.
2. Rig Vedic Civilization: Original home of the Aryans; Political, Social, Economic and Religious life in the early Vedic period; Development in the later Vedic period.

SECTION-B
3. Jainism: Causes responsible for the rise of new religions; Life and teachings of the Mahavir Swami.
4. Buddhism: Life and Teaching of the Gautam Budha.

SECTION-C
5. The Mauryan Empire: Establishments and Achievements Ashoka's Dhamma, Administration under the Mauryas and their decline.
6. The Gupta Empire: Social, Economic, Culture and Scientific developments under Guptas

SECTION-D
7. Harsha Vardhan and Southern Dynasties(Cholas, Pallavs and Rashtrakutas).

8. Maps: (a) Important Historical places: Taxila, Indraprastha, Kurukshetra, Kannauj, Patliputra, Ujjain, Bodhgaya, Varanasi, Sopara, Ajenta, Ellora, Sanchi, Tanjore, Kanchi, Lothal, Nalanda, Hastinapur, Kalibangan, Harappa and Kalinga.
  (b) Extent of the Mauryan Empire (c) Gupta Empire under Samundragupta.

Books Suggested:
1. Basham, A.L. Wonder That Was India, Calcutta: Rupa, 1992.
2.   Goyal, S.R., A History of Indian Buddism, Meerut: Kasumanjli Prakashan, 1987.Habib, Irfan,
3.   Vivekanand Jha Mauryan India, Delhi: Tulika Books, 2004.
4.   Jha, D.N., Ancient Indian an Historical Outline, Delhi: Manohar (2nd Rev. ed.), 2005.
5.   Pandey, V.C.and Pandey, A.C.   New History of Ancient India, Jallandhar: A.B.C., 1999.
6. Ray Chaudhary, H.C. (re. ed.) by B.N. Mukherjee, Political History of   Ancient India, Calcutta: Oxford University Press, 1996.
7.   Sastri, K.A. Nilakanta, A History of South India, 2nd ed., Oxford University   Press, 1958.
8. Sastri, K.A. Nilakanta,History of South India, from pre-historic times to the fall of vijaynagar, (4th ed.), Delhi: Oxford Unversity Press, 1995.
9.   Sharma, R.S., Aspects of Political Ideas and Institutions in   Ancient   India, Delhi: Motilal Banarasidas, 1991.
10.   Sharma, R.S. India's Ancient Past, Delhi: Oxford University   Press, 2005.
11.   Sharma, R.S. Looking for the Aryan, Hyderabad: Orient   Longman, 1995.
12.   Tharpar, Romila Early from the Origin to A.D. 1300, Penguin, 2002.
13.   Altekar, A.S. State and Government in Ancient India, Delhi: Motilal Banarsidas, 1965.
14.   Bryant, Edwin, Origin of Vedic Culture, Delhi: Oxford University Press, 2001.
15.   Charkrabarti, Uma, The Social Dimensions of Early Buddism,   Delhi: Oxford University Press, 1987.
16.   Chattopadhaya, B.D. Studying Early India, Delhi: Permanent Black, 2003.
17.   Goyal, S.R. History of Imperial Guptas, Meerut;   Kusumanjali, 1967.
18.   Jha, D.N. (ed.), Society and Ideology in India, Delhi: Sterling Publisher, 1985.
19.   Levin-Bongard, G.M., Mauryan India, Delhi: Munshiram Manoharlal, 1966.
20.   Maity, S.K., The Imperial Gupta and their times, Delhi;   Motilal Banarsidas, 1975.
21. Ratnagar, Shereen, Enquiries into the Political Organization of Harappan Society, Pune: Ravish, 1991.
22.   Thapar, Romila, Asoka and the decline of the Mauryas, Delhi: Oxford University Press, 1997.

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B.A (601)

Algebra -A610101

Semester-I   L T P

Credit-3   3 0 0

CO1. Recall the fundamentals of algebraic equations, matrices and rules of integration

CO2. Practice the formation of equations and compute symmetric functions of roots in terms of coefficients

CO3. Revise the properties of eigen values of the matrices

CO4. Find Eigen values and Eigen vectors of a given matrix.

CO5. Define characteristic equation of matrices and illustrate

Section - A

Linear dependence and independence of row and column matrices. Row rank, Column rank and their equivalence. Eigen values, Eigen vectors and the characteristic equation of a matrix, Properties of Eigen values for special type of matrices, Diagonalization, Cayley-Hamilton theorem.

Section B

Applications of matrices to a system of linear (both homogeneous and non homogeneous) equations. Rules on consistency of a system of linear equations.

Section-C

Relations between roots and coefficients of a general polynomial equation in one variable. Solution of polynomial equations having conditions on roots. Transformation of equation.

Section D

Nature of roots of an equation. Descartes' rule of signs. Solution of cubic equations (Cardons method). Biquadratic equations and their solution. Polar representation of complex numbers, nth roots of unity De Moivre's theorem and its application, Direct and inverse circular functions, hyperbolic and logarithmic functions. Summation of series.

Text Books

1. Herstein, I.N., Topics in Algebra, Wiley Eastern Ltd. (2005)
2. Singh, Surjeet and ZameeruddinQazi, Modern Algebra, Vikas Publishing House, (2006).
3. Hoffmann, K. and Kunze R., Linear algebra, PHI, (2011).

Reference Books

1. Bhattacharya, P.B., Jain, S.K. and Nagpaul, S.R. Basic Abstract Algebra, Cambridge University Press (1997).
2. Luthar, I.S., and Passi, I.B.S., Algebra (Vol. 4), Narosa Publishing House (2004).

Website/ Links/ Online portal/ICT1

1. https://openstax.org/details/books/college-algebra1

2. https://www.math.stonybrook.edu/~aknapp/download/b2-alg-inside.pdf

Calculus-B610102

Semester-I   L T P

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Credit-3   3 0 0

CO1. Recall the idea of derivative, rules of differentiation and understand the concept of p-r equation.

 CO2. Learn the concepts of curvature, circle of curvature,evolute and apply the concepts to solve problems.

CO3. Recognize the rules of identifying asymptotes employ the same to different curves.

CO4. Acquire the knowledge about hyperbolic functions and compare it with circular functions, trigonometric functions, inverse trigonometric functions and their properties.

. Section -A

Successive differentiation, Asymptotes, Multiple points, Tests for concavity and convexity, points of inflexion, Tracing of curves in Cartesian,. Curvature, radius of curvature, centre of curvature.

Section-B

Integration of hyperbolic and inverse hyperbolic functions, Reduction Formulae, application of definite integral to find quadrature, length of an arc.

Section – C

Improper integrals and their convergence, Comparison tests, Absolute and conditional convergence, Abel's and Dirichlet's tests,

Section -D

Limits of sequence of numbers. Theorems for calculating limits of sequences, Infinite Series, Bounded and Monotonic sequences, Cauchys convergence criterion. Series of non-negative terms. Comparison tests. Cauchys' Integral test. Ratio tests. Alternating series. Absolute and conditional convergence. Lebnitz Theorem, Indeterminate forms.

Text Books
1. Rudin, W., Principles of Mathematical Analysis, McGraw-Hill (2013).
2. Malik, S.C. and Arora, S., Mathematical Analysis, Wiley Eastern (2010).

Reference Books
1. Simmons G. F., Introduction to Topology and Modern Analysis, Tata McGraw Hill (2008).
2. Jain, P. K., Ahmad Khalil, Metric Spaces, Alpha Science Publishers (2004).

Website/ Links/ Online portal/ICT:

1. https://www.britannica.com/science/calculus-mathematics

2. https://www.khanacademy.org/math/calculus-1

Co-ordinate Geometry-I -A610103

Semester-I   L T P

Credit-3   3 0 0

Course Outcomes :

CO1. Describe the various forms of equation of a plane, straight line, Sphere, Cone and Cylinder.

CO2. Find the angle between planes, Bisector planes, Perpendicular distance from a point to a plane, Image of a line on a plane, Intersection of two lines

CO3. Find the angle between planes, Bisector planes, Perpendicular distance from a point to a plane, Image of a line on a plane, Intersection of two lines

CO4.. Define coplanar lines and illustrate
CO5. Compute the angle between a line and a plane, length of perpendicular from a point to a line

Section-A

Circle: General equation of circle, circle through intersection of two lines, Tangents and Normals, Chord of contact, pole and polar, pair of tangents from a point, equation of chord in terms of midpoint, angle of intersection and orthogonality, power of a point w.r.t. circle, radical axis, coaxial family of circles, limiting points.

Section -B

 Parabola: Pole and polar, pair of tangents from a point, chord of contact, equation of chord in terms of midpoints and diameter of conic, Sub tangent and Subnormal and its geometrical properties.

Section-C

Ellipse: Properties of ellipse, parametric representation of ellipse, tangents, normals, equation of chord joining two points on ellipse. Director circle of ellipse, chord of contact, conjugate lines and conjugate diameter, Conormal Points and its geometrical properties.

Section -D

Hyperbola: Properties of hyperbola, fundamental rectangle, parametric representation of hyperbola, asymptotes of hyperbola, Conjugate hyperbola, rectangular hyperbola, tangents and normals.

Text Books

1. S.L. Loney, The Elements of Coordinate Geometry, McMillan and Company, London, 1912.

2. R.J.T. Bill, Elementary Treatise on Coordinate Geometry of Three Dimensions, McMillan India Ltd., 1994.

Reference Books

1. P.K. Jain and Khalil Ahmad: A Text Book of Analytical Geometry of two Dimensions, Wiley Eastern Ltd. 1994.

2. Gorakh Prasad and H. C. Gupta: Text Book on Coordinate Geometry, Pothishala Pvt. Ltd., Allahabad. 2000.

Website/ Links/ Online portal/ICT:

1. https://study.com/geometry_degrees.html
2. https://www.topuniversities.com/courses/mathematics/guide

Political Science-I (A601109)

Semester-I   L   T   P

Credits:05   5   0   0
Paper-Principles of Political Theory

Course Outcomes:
CO1: To enhance the knowledge of the learner about political structure.
CO2:To understand the various concepts, functions working under political system
CO3: To differentiate the various theories of Political Science
CO4: To make relationship with various subjects.
CO5:To know the powers and function of the state.

Unit I
1. Political Science: Meaning, definitions, characteristics and scope.
2. Ancient and Traditional Political Theory.
3. Difference between political theory and political science.
Unit II
4. Relationship between Political Science Economics, History and Sociology.
5. The State: meaning, definition, elements and difference between and state and government.
Unit III
6. Functions of state: Socialist perspective.
7. Functions of state: Liberal perspective.

8. Welfare state: concept and functions.
Unit IV
9. Sovereignty: Meaning, definition, characteristics, types and attributes.
10. Theories of Sovereignty: Monistic and Pluralistic

Text Books:
1. Lefort, Claude, and David Macey. Democracy and political theory. Vol. 225. Cambridge: Polity Press, 1988.
2. Cohen, Jean L., and Andrew Arato. Civil society and political theory. MIT press, 1994.
3. Carnoy, Martin. The state and political theory. Princeton university press, 2014.
4. Held, David. Political theory today. Stanford University Press, 1991.
5. Brown, Chris. Sovereignty, rights and justice: international political theory today. Cambridge: Polity, 2002.

Reference Books:

1. D. Easton: The Political System, Scientific Book Agency, Calcutta, 1972.

2. D. Easton:A System Analysis of Political life, John, Willey, 1965.

3. Karl W. Deutsch: The Nerves of Government, The Free, Press, New York, 1952.

4. Oran R. Young: Systems of Political Science, Prentice Hall, 1967.

5.B.L. Fadia: State Politics in India, Vol. II, New Delhi, Radint Publisher, 1984.

6.Laxmikant, Indian Polity, Mchraw Hill Education, New Delhi, 2013.

Website/Links/Online Portal/ICT

I}Political Science: Meaning, definitions, characteristics and scope. https://www.youtube.com/watch?v=roZ_PYO7_PE, https://www.youtube.com/watch?v=xenh5jSrBTw

ii) Difference between political theory and political science. https://www.youtube.com/watch?v=inuRaMOJK6w

iii) Relationship between political Science with Economics, History and Sociology. https://www.youtube.com/watch?v=JI4X9Xn5FRU

iv) The State: meaning, definition, elements https://www.youtube.com/watch?v=Ck87nSn9Fcs

v)difference between government and state.https://www.youtube.com/watch?v=4pXzytnKlDs

vi) Functions of state: Liberal and socialist perspective https://www.youtube.com/watch?v=hYdvXQFSxVQ, https://slideplayer.com/slide/3582269/

i) Welfare state: concept and functions.https://www.youtube.com/watch?v=Wc0Bnga8TbU,https://www.youtube.com/watch?v=sbGIQ2ApwKMhttps://www.youtube.com/watch?v=E_I_AFsn8V4

ii) Sovereignty: Meaning, definition, characteristics and types. https://www.youtube.com/watch?v=JjcMt-k2Vgo, https://www.youtube.com/watch?v=GV_At10FX_8

iii) Theories of Sovereignty: Monistic and Pluralistic. https://www.youtube.com/watch?v=RmwxrXqkvjQ, https://www.youtube.com/watch?v=mFcrS3j_cbY

1.

Physical Education-I (601112)

		L	T	P
Semester-I				
Credits:03		3	0	0

Theory (60 M)

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

1. **Physical Education:-**Meaning, aims, objectives, Scope importance and misconceptions of Physical Education.
2. **Explanation of terms in Physical Education:-** Recreation, Physical culture coaching, Physical training, Dance
3. **Education: -** Meaning, objective and relationship with Physical Education.
4. **Health Education: -** Meaning, scope, Objectives, Principles, importance and factor influence health.
5. **Healthful school environment:-** importance of school site, building, water supply, sanitation, light, ventilation, furniture and playground in healthful school living
6. **Personal Hygiene: -** Meaning, need and importance of rest, relaxation and sleep.
7. **Post- Independence history of Physical Education in India: -** National Sports day, NSNIS, SAI Punjab sports department, sports organization in India (Association and Federation) IOA, IOC and YMCA.
8. **Indian National Games: -** Organization, management & salient features.
9. **Sports Award: -** Arjun Award, Dronacharaya Award, Rajiv Gandhi Khel Ratna Award, Dhyanchand, Maulana abul Kalam Azad Award.
10. **Sports Board of Councils :-** The contribution of Indian council of sports, Central advisory board in physical education, National fitness crops, National discipline scheme, Rajkumari Amrit Kaur Coaching Scheme.
11. **Asian Games, Commonwealth & SAF Games: -** Organization, management & salient features.
12. **Olympic Games: -** Organization, administration and ceremonies of Ancient and Modern Olympic Games.

Reference:

Dr. G. S. Kang, Health, Physical Education & Sports,
Dr. Nishan Singh Deol General Science by S. Chanel.
Kamlesh, M. L. & Sangral M. S. Principles and History of Physical Education, 1977.
Environmental Studies: V.K. Khosla, Mrs. Kanta Khosla, Dr. R. S. Rattan
Environmental Education: Mrs. Saroj Sobti, Surjit Singh

Physical Education-I (601117)

Semester-I   L   T   P
Credits:02   0   0   4

Practical (40M)

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Short Distance Running/ Sprints	8M (Any One Race)
Long Jump	8M (Any One Style)
Shot put	8M (Any One Style)
Kabaddi, Badminton, Football	16M (Any One Game)

Evaluation will be based on skill test, performance &viva voce.
Contents to be covered during the practical sessions:
- Measurement of the field and preparation of the field
- Equipments and Materials of the game/ Event.
- Fundamental skill and lead up game.
- Techniques.
- Rules and Regulations of the game/ Event.
- Officiating:
     Duties of officials
     Knowledge of score sheet
     Signals of officiating
     Technical equipment for officiating

Economics-I (601113)

	L	T	P
Semester-I			
Credits:05	5	0	0

Paper: Micro Economics

Course Objective:

GURU KASHI UNIVERSITY
University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Microeconomics is concerned with the analysis of economic phenomena from the perspective of the individual. The course covers the basic concepts and tools needed to undertake the analysis of such problems that arise due to the law of scarcity. The course also aims at introduction of the functioning of competitive and noncompetitive product markets and performance of the markets for resources. The students are expected to develop rudimentary understanding of how and why consumers, firms, and markets in the economy function the way they do.

SECTION –A

Introduction: Meaning, Nature and Scope of Economics, Definition of Economics (Adam Smith, Marshall and Robbins); Basic concepts: Human wants, Utility and Satisfaction, Basic Economic problems.

Demand and Supply Function, Law of Demand and its Exceptions, Elasticity of Demand: concept, types and measurement. Consumer's Surplus and its measurement, Utility Analysis, Indifference Curve Analysis and Revealed Preference Theory

SECTION –B

Theory of Production: Concept and Types of Production Function, Laws of Returns to Scale and Law of Variable Proportions.Cost: Concepts and cost curves in short and long run periods, Relationship between Average Cost, Marginal Cost and Total Cost. Revenue: Average revenue, marginal revenue and Total revenue, Relationship between average revenue, marginal revenue and elasticity of demand.

SECTION –C

Market forms: Concept and types of markets, Price determination under perfect competition, imperfect competition and monopoly, Product differentiation, Selling costs, Excess capacity.

SECTION – D

Rent: Meaning of Rent, Ricardian Theory of Rent, Modern Theory of Rent and concept of Quasi-rent. Interest: Meaning of Interest, Classical and Loan able Funds Theory of Interest.

Profit: Concept of Profit, Theories of Profit: Innovations Theory and Risk and Uncertainty Bearing Theories.

Recommended Readings:

1. Joginder Singh, P.N. Chopra &P.S. Grewal (Punjabi Medium) : Price Theory and Distribution (Latest edition).
2. A.W. Stonier & D.C. Hague : A Text Book of Economic Theory (Fourth Edition).
3. P.A. Samuelson (trans. PiarSingh): Arth-Shastar PrarmbhikVishleshan, PunjabiUniversity, Patiala,1972.
Supplementary Readings:

1. R.G. Lipsey & K.A. Chrystal : Economics, 10th Edition, Oxford University Press, New Delhi, 2004.
2. D. Salvatore : Micro Economics : Theory & Applications, Oxford University Press, New York, 2003.
3. John Robinson (Trans.): Apuran Prtiyogita Di Arthiki (Punjabi University,Patiala).
4. H.K. Manmohan Singh (Trans. Om Parkash Vashisht): Mang Sidhant Ate Mishrat Arth-Vivstha Vich
5. Arthik Ganana, Punjabi University, Patiala, 1971.
6. N.C. Ray (1980) : An Introduction to Microeconomics; The Macmillan Company of India Ltd., New Delhi.
7. 6.. H.L. Ahuja (1999) : Advanced Economic Theory, S. Chand & Co., New Delhi.

Sociology-I (601114)

		L	T	P
Semester-I				
Credits: 05		5	0	0

Paper-Fundamentals of Sociology

Objectives:
- Understand the concept and scope of Sociology.
- Understand the relation of Sociology with other subjects.

- Understand role of Organizations and Community.
- Understand the importance of theory of self.
- Understand the meaning of Culture lag and Civilization.

Section-A
1. Sociology: Definition, nature & scope.
2. Its relationship with other social sciences: History, Political Science & Economics.

Section-B
3. Basic Concepts: Social Structure, society, social organization, social group (Primary & Secondary), reference group, community & association.

Section-C
4. Norms and values, status and role.
5. Socialization: Meaning & agencies.

Section-D
6. Culture: Meaning characteristics, material and non-material culture.
7. Culture lag, Culture and Civilization.

Books Recommended:

- Collins — Dictionary of Sociology, (2006) Glasgow: Harper Collins
- Davis, Kingsley (1978) — Human Society, London: Mac Millan Company.
- Giddens, Anthony (2001) — A text book for the nineties, London Polity.
- Gisbert, P.S.J. (1993) — Fundamentals of Sociology, Bombay: Orient Longman
- Haralambos, M (1980) — Sociology: Themes and Perspective London : Oxford University Press
- Inkles, Alex (1987) — What is Sociology? New Delhi: Prentice Hall of India
- Jayaram, N (1988) — Introductory Sociology, Madras: Macmillan India
- Johnson, Harry, M. (1980) — A Systematic introduction, Delhi: Allied Publishers.
- Rao, Shankar C.N (2005) — Sociology Part –I Jalandhar: New Acadmic Publishing House.

Fundamentals of Computer (300101)

Semester-I		L	T	P
Credits: 05		5	0	0

Computer Fundamentals:
Number Systems, History of Computers, Block diagram of computer & detailed significance of each part.

Study of I/O devices

Keyboard, Hard disk, Floppy disk, CD,ROM, DVD, Plotters,
Scanners, mouse, Printers: Dot matrix, Laser, Thermal Inkjet, VDU.

Primary and Secondary memories

Operating Systems
Introduction to Operating Systems & its functions, Definition of Simple batch processing, multiprogramming, multiprocessing, real-time, time-sharing systems, Concept of Spooling,

Typical DOS commands, making simple batch files.

Application of Computers in various fields
Defense Industry, Management, Sports, Commerce, Internet.

Computer and communication:
 Single user, Multi user, Workstations, and Overview of LAN, WAN.

References:

1. Larry long & Nancy long   **Computers**   Prentice Hall
2. V.Rajaraman   **Fundamentals Of Computers**   Prentice Hall
3.P.K.Sinha   **Computer Fundamentals**
4. Basandra   **Computer Today**

Music (Vocal)-I 601115

	L	T	P
Semester-I			
Credits: 03	3	0	0

Section A

1. Histroical development of music in the following periods:
a) Vedic period   b) Natyashastra period
2. Defination and explanation of the following musical term:
Sangeet, Naad, Swara, Saptak, Taal, Laya.

Section B

1. Importance of Taal and Laya in instrument music.
2. Biographical sketch and contribution towards Indian music of the following:
a) Tansen   b) Pandit Vishnu Narayan Bhatknde

Section C

1. Knowledge of the following instruments:
a) Tanpura   b) Tabla   c) Harmonium
2. Contribution of Sri Guru Nanak Dev ji to Indian music.

Section D

1. Detailed description and notation of the prescribed Ragas (Khayal) and Talas given below:
Ragas: Bilawal, Kalyan
Talas: Dadra, Kehrwa, Teental
2. Elementary knowledge of the following pages:
Alhaiya Bilawal, Shudh kalian

RECOMMENDED READINGS

1. Dr. Davinder Kaur: Sangeet Roop (Part-I)

2.Dr. Premlata Sharma: Sangeet Manual

3.Dr. Yaspal Sharma: Gayan Kalan

4. Dr. Suman Lata: Hindustani Shastri sangeet Sidhant avam Vyavhar

Music (Vocal)-I (Practical) **601116**

Semester-I   L   T   P
Credits: 02   0   0   4

Performance (Raaag, Alankar, Harmonium, Lokgeet,Talas & Lae)

Religious Studies-I (601118)

Semester-I   L T P

Credit-5   5 0 0

Indian Religion

Section- A

(ਵੈਦਿਕ ਮਤ)

੧.   ਵੈਦਿਕ ਧਰਮ ਦੀ ਜਾਣ–ਪਛਾਣ

੨.   ਵੈਦਿਕ ਦੇਵਤੇ:– ਵਰੁਣ, ਅਗਨੀ, ਇੰਦਰ

੩.   ਬਲੀ ਅਤੇ ਜੱਗ

Section –B
(ਜੈਨ ਧਰਮ)

੪. ਭਗਵਾਨ ਮਹਾਂਵੀਰ:- ਜੀਵਨ ਤੇ ਵਿਰਤਾਂਤ

੫. ਸਿੱਖਿਆਵਾਂ:- ਤਿੰਨ ਰਤਨ

੬. ਪੰਜ ਮਹਾਂਵਰਤ:- ਅਹਿੰਸਾ, ਸੱਚ, ਅਸਤੇਯ, ਅਪਰਿਗ੍ਰਹ ਅਤੇ ਬ੍ਰਹਮਚਰਯ

Section –C
(ਬੁੱਧਮੱਤ)

੭. ਭਗਵਾਨ ਬੁੱਧ:- ਜੀਵਨ ਅਤੇ ਸਿੱਖਿਆਵਾਂ

੮. ਚਾਰ ਆਰੀਯਾ ਸਤ:- ਦੁੱਖ, ਦੁੱਖਾਂ ਦਾ ਕਾਰਨ, ਦੁੱਖ ਦੀ ਨਵਿਰਤੀ ਅਤੇ ਦੁੱਖ ਨਵਿਰਤੀ ਦਾ ਮਾਰਗ।

੯. ਅਸਟਾਂਗ ਮਾਰਗ।

Section –D
(ਧਰਮ ਸੰਸਕਾਰ)

੧੦. ਜਨਮ ਸੰਸਕਾਰ (ਜੈਨ ਧਰਮ, ਬੁੱਧ ਧਰਮ, ਅਤੇ ਹਿੰਦੂ ਧਰਮ)

੧੧. ਧਰਮ ਪਰਿਵੇਸ਼ ਸੰਸਕਾਰ (ਜੈਨ ਧਰਮ ਅਤੇ ਬੁੱਧ ਧਰਮ)

੧੨. ਮ੍ਰਿਤਕ ਸੰਸਕਾਰ (ਹਿੰਦੂ ਧਰਮ)

Punjab History & Culture (601119)

Semester-I   L T P
Credit-5   5 0 0

Section A

1. Physical features of the Punjab & their impact on history.
2. Sources of the Ancient History of Punjab.

Section B

3. Harappan Civilization: important places, script, town planning.

4. Rig Vedic Civilization: original home of the Aryans; their social, political economic and religious life.

Section C

5. Later Vedic Civilization: Political, Social and Religious life.
6. Teachings and impact of Jainism.

Section D

7. Buddhism
8. Alexander's Invasions and its impact.

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Fashion Designing-I (601120)

Semester-I   L T P

Credit-3   3 0 0

SECTION-A

1. A study of tools and equipments :

   (a) Measuring tools
   (b) Marking tools
   (c) Cutting tools
   (d) Sewing tools including parts, function, maintenance & defects of sewing machine.

2. Baasic Terminology :

   Haute couture, custom clothes, pret-e-porter, fashion fads, classics, taste hi-stule, silhouetter, accessories, notions, draping, design, motif, braid, bias, yokees, grain, selvedge fray, notch, pucker, style reading, frills, flounces ruffles, stay line, princess line, empire line, trimming.

SECTION-B

3. A study of authropometric/body measurements;

   (a) List of measurements

   (b) locating landmarks

   (c) Taking body measurements

4. Drafting and its importance

LIST OF REFERENCE BOOKS

1. The Complete Book of Sewing : Darling Kindersley.

2. Singer-step-by-step Sewing : Singer.

3. Mocalls Sewing in Cour : Mocalls.

4. Complete to Sewing : Reader's Digest

Fashion Designing-I (practical) (601121)

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Semester-I   L T P

Credit-2   0 0 4

SECTION-A

1.   A Study of basic construction techniques:

    (a)   Seams and seam finishes

    (b)   Facings and Bindings

    (c)   Plackets & Fastuers

    (d)   Hemmings & Bastings

    (e)   Fullness treatment

SECTION-B

2.   Traditional embroideries of India :

    (a)   Kantha

    (b)   Phulkari

    (c)   Chikankari

    (d)   Chambaa

    (e)   Kasuti

    (f)   Kashida

    (g)   Kutch

    (h)   Sindhi

Home Science-I (601122)

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Semester-I   L T P

Credit- 3   3 0 0

INTRODUCTION TO HOME SCIENCE

SECTION-A

1. Meaning, definitions and structure of Home Science.

2. Importance of Home Science education.

3. Aims of teaching Home Science.

4. Concept and Scope of Home Science and reasons for vocationalization of Home Science.

    5. Correlation of Home Science with other subjects.

SECTION-B

6. Broad areas of Home Science.

7. Home Science in Action Programme-

    (a) Applied Nutrition Programme,
    (b) School Meal Programmes,
    (c) Integrated Child Development Services,
    (d) Supplementary foods developed in India- Indian multipurpose food, malt, Bal Ahar, Supplementary food NIN, Supplementary food (AHSCW)
8. Job opportunities in Home Science.

REFERENCES

1) Devadas, Rajamal, P. Text Book of Home Science, Farm Information Unit,

2) Directorate of Extension, Ministry of Agriculture, New Delhi 1968.

3) Devadas, Rajamal, P. The meaning of Home Science, Sri Avinashilingam Home Science College, Coimbatore, 1973.

4) Devadas, Rajamal, P. Methods of teaching Home Science, National Council of Education Research and Training, Delhi 1977.

Home Science-I (Practical) 601123

Semester-I   L T P
Credit- 2   0 0 4

INTRODUCTION TO HOME SCIENCE

1.   Make Samples of the following:

(a)   Tacking, running stitch, hemming, back-stitch, button hole stitch, fasteners.

(b)   Seams-Flat seam, counter hem, montua maker, run and fell, French seam.

(c)   Processes- Continuous wrap, two piece placket opening, pleats, gathers into band.

2.   Embroidery-Make a sample of 10 embroidery stitches.

3.   Taking body measurements.

4.   Drafting and construction of the following:

1)   Child's Bodice Block – Child's Frock
2)   Jangia, Bloomer
3)   Adult Bodice Block and Plain
          sleeve block.
4)   Petticoat/Apron
5)   Salwar and Kameez/Kurta-Pyzama

ਪੰਜਾਬੀ ਲਾਜਮੀਂ- II (A601201)

Semester-II	L T P
Credit-5	5 0 0

ਉਦੇਸ਼:-

➢ ਆਧੁਨਿਕ ਵਿਗਿਆਨਕ ਵਾਰਤਕ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ।

➢ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਵਿਆਕਰਨ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ।

➢ ਪੰਜਾਬੀ ਦੀ ਸ਼ਬਦਾਬਲੀ ਵਿਚ ਵਾਧਾ ਕਰਨਾ।

➢ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਕਰਨਾ।

ਭਾਗ-ੳ

1. ਵਾਰਤਕ ਵਿਵੇਕ, ਰਾਜਿੰਦਰਪਾਲ ਸਿੰਘ ਬਰਾੜ ਅਤੇ ਡਾ. ਜਗਤਾਰ ਸਿੰਘ ਜੋਗਾ (ਸੰਪਾਦਕ); ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

➢ ਪਹਿਲੇ ਭਾਗ ਵਿੱਚ ਪਹਿਲਾ ਪ੍ਰਸ਼ਨ ਪੁਸਤਕ ਦੇ ਕਿਸੇ ਲੇਖ ਦੇ ਸਾਰ ਜਾਂ ਵਿਸ਼ੇ ਵਸਤੂ ਸਬੰਧੀ ਹੋ ਸਕਦਾ ਹੈ ਦੋ ਪ੍ਰਸ਼ਨ ਦੇ ਕੇ ਵਿਦਿਆਰਥੀ ਨੂੰ ਇੱਕ ਕਰਨ ਲਈ ਕਿਹਾ ਜਾਵੇਗਾ । ਜਿਸ ਦੇ ਦਸ ਅੰਕ ਹੋਣਗੇ।

➢ ਦੂਸਰੇ ਭਾਗ ਵਿਚ ਸੰਖੇਪ ਉੱਤਰਾਂ ਵਾਲੇ ਪੰਜ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ। ਹਰ ਪ੍ਰਸ਼ਨ ਦੋ ਅੰਕਾਂ ਦਾ ਹੋਵੇਗਾ।

20 ਅੰਕ

ਭਾਗ-ਅ

2. ਦਫਤਰੀ ਪੱਤਰ ।	5 ਅੰਕ
3. ਨੋਟਿਸ ਲੇਖਣ ਅਤੇ ਸਮਾਚਾਰ ਲੇਖਣ।	5 ਅੰਕ
4. ਪ੍ਰੈਸੀ ਰਚਨਾ।	10 ਅੰਕ

ਭਾਗ-ੲ

5. ਸ਼ਬਦ-ਸ਼੍ਰੇਣੀਆਂ।	5 ਅੰਕ
6. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਵਾਕ ਬਣਤਰ	5 ਅੰਕ

ਪੁਸਤਕ ਸੂਚੀ:

• ਰਾਜਿੰਦਰਪਾਲ ਸਿੰਘ ਬਰਾੜ ਅਤੇ ਡਾ.ਜਗਤਾਰ ਸਿੰਘ ਜੋਗਾ (ਸੰਪਾਦਕ): ਵਾਰਤਕ ਵਿਵੇਕ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

• ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰ, ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾ ਅਤੇ ਵੇਦ ਅਗਨੀਹੋਤਰੀ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ (ਭਾਗ-ਪਹਿਲਾ),ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ।

COMMUNICATION SKILLS -II (B601203)

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Semester-II   L   T   P

Credit-5   5   0   0

Course Outcomes:

The students of Communication Skills Course will be able to:

CO1: **CO1**: Develop an enhancement of the four basic skills of language –reading, writing, speaking and listening.

CO2: Handle a range of situations pertaining to daily life.

CO3: Understand the English language and have increased potential to communicate with accurate grammar and appropriate vocabulary.

CO4: Have competency in fields where oral skill is a requisite.

CO5: Have proficiency in writing skills at diverse levels of composition.

Course Contents:

Each Course will have four sections for UG/Diploma Programs

Unit I

1   Prose Parables (Orient Blackswan, 2013)-The following stories from the above volume are prescribed:

- The Face on the wall : E.V. Lucas
- Green Parrots in a Cage
- The Doll's House
- My Brother, My Brother : Norah Burke
- Dusk

Unit II

2   The Poetic Palette (Orient Blackswan, 2013)

      The following poems from this anthology are prescribed:

- Letter From Kashmir : Agha Shahid Ali
- Stopping by the Woods on a Snowy Evening : Robert Frost
- I Sit and Look Out : Walt Whitman
- The Old Woman : Arun Kolater
- Poetry : Pablo Neruda
- After Blenheim : Robert Southy

Unit III

3   Texts Prescribed for Grammar

   Oxford Practice Grammar by John Eastwood (Exercises 01to 25)

Unit IV

4   Writing skills

   Report Writing

   Applications: Commercial

   Essays

Recommended Books:

      i. Prose Parables (Orient Blackswan, 2013)
     ii. The Poetic Palette (Orient Blackswan, 2013)

 Reference Books:

    i) The Student's Companion by **Wilfred D. Best.**
    ii) Oxford Practice Grammar (With Answers) by John Eastwood. Second Edition, OUP,   2004.

Website/Links/Online Portal/ICT
     i) https://www.poemhunter.com/robert-frost/
     ii) https://wordsfortheyear.com/2017/08/06/poetry-by-pablo-neruda/

An Introduction to the Study of Fiction –II (B601204)

Semester-II   L T P
Credit-5   5 0 0

Course Outcomes:

The students of Literature will be able to:

- To familiarize the students literary terms related to fiction writings.

- To develop interest in and appreciation of Literature.

- To analyse texts using the various elements related to fictional writings.

Unit I

Prescribed Texts:

A Choice of Short Stories eds. Shakti Batran and P. S. Sidhu.

Unit II

Terms pertaining to Prose:

1. Novel
2. Short story
3. Plot and character
4. Protagonist
5. Gothic novel
6. The Epistolary novel
7. Conflict
8. Biography
9. The Historical novel
10. The Regional novel
11. Episode
12. Adventure novel
13. Auto biography
14. Soliloquy

Unit III

Wuthering Heights: Emily Bronte

Unit IV

Gone are the Rivers by Dalip Kaur Tiwana

Recommended Books:

References Books:

i. M.H. Abrams: A Glossary of Literacy Terms
ii. Twentieth Century Reader's Guide to Literacy Terms

Reference Books:

1. E.M. Forster: Aspects of the Novel
2. Delhi A Penguin Book: Fiction Penguin original

3. Gone are the Rivers by Dalip Kaur Tiwana , Macmillan

Website/Links/Online Portal/ICT

1. https://www.quora.com/What-is-the-best-way-to-read-a-fiction-novel
2. http://www.editoreric.com/greatlit/books/Wuthering-Heights.html

ਚੋਣਵੀਂ ਪੰਜਾਬੀ- **II** (A601205)

Semester-II   L T P
Credit-5   5 0 0

ਹਦਾਇਤਾਂ:-

ਭਾਗ-ੳ ਵਿੱਚੋਂ ਦਸ-ਦਸ ਅੰਕ ਦੇ ਦੋ ਸਵਾਲ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। ਪਹਿਲਾ ਸਵਾਲ ਸਾਰ ਜਾਂ ਵਿਸ਼ਾ ਵਸਤੂ ਦਾ ਹੋਵੇਗਾ। ਸਾਰ ਜਾਂ ਵਿਸ਼ੇ ਵਸਤੂ ਸਬੰਧੀ ਦੋ ਵਿੱਚੋਂ ਕੋਈ ਇੱਕ ਸਵਾਲ ਕਰਨਾ ਹੋਵੇਗਾ। ਭਾਗ ਅ ਵਿਚ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨਾਲ ਸਬੰਧਿਤ ਕੋਈ ਪੰਜ ਵਿੱਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹੋਣਗੇ ਹਰੇਕ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ। ਭਾਗ ੲ ਵਿੱਚ ਪੰਜ ਵਿੱਚੋਂ ਕੋਈ ਤਿੰਨ ਸੰਕਲਪਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰਨੀ ਹੋਵੇਗੀ ਹਰੇਕ ਦੇ ਤਿੰਨ ਅੰਕ ਹੋਣਗੇ।

<div align="center">ਭਾਗ-ੳ</div>

1. ਕੈਮਲੂਪਸ ਦੀਆਂ ਮੱਛੀਆਂ (ਨਾਟਕ), ਡਾ. ਆਤਮਜੀਤ ਸਿੰਘ, ਲੋਕ ਗੀਤ ਪ੍ਰਕਾਸ਼ਨ, ਚੰਡੀਗੜ੍ਹ।

<div align="center">ਭਾਗ-ਅ</div>

2. ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1500 ਤੋਂ 1700)

<div align="center">ਭਾਗ-ੲ</div>

3. ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਨਾਲ ਸੰਬੰਧਤ ਪੰਜ ਸੰਕਲਪ ਔਚਿਤਯ, ਵਕ੍ਰੋਕਤੀ, ਸਾਧਾਰਨੀਕਰਨ, ਰਸ, ਅੱਲਕਾਰ।

ਪੁਸਤਕ ਸੂਚੀ :

* ਜਗਬੀਰ ਸਿੰਘ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(ਆਦਿ ਕਾਲ ਤੇ ਭਗਤੀ ਕਾਲ) ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ ਅੰਮ੍ਰਿਤਸਰ

* ਪਰਮਿੰਦਰ ਸਿੰਘ, ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ ਅਤੇ ਗੋਬਿੰਦ ਸਿੰਘ ਲਾਂਬਾ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ ਲੁਧਿਆਣਾ।

* ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਸਮੀਖਿਆ ਪ੍ਰਣਾਲੀਆਂ, ਪੰਜਾਬ ਸਟੇਟ ਟੈਕਸਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ।

Hindi Literature-II (A601206)

Semester-II	L T P
Credit-5	5 0 0

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¼iv½ mudh fgUnh 'kCnkoyh dk fodkl djukA

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Hkkx & ?k

4– fucU/kA

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History-II (B601207)

Semester-II	L T P
Credit-5	5 0 0

History of Medieval India (from1000-1707A.D.)

Objectives:

- To enhance the knowledge of the learner about Ancient India.
- To understand the various concepts regarding Political and Social customs of Ancient Period.
- To understand the relationship of India with other kingdoms.

UNIT-1

1. Political and Social conditions of India up to 1000 A. D.
2. Invasion of Mahmud Ghazni and Muhammad Ghori, causes and their impact.

UNIT-2

3. Consolidation of the Slave Dynasties with special reference to Qutb u- Din Aibak to Balban.
4. Khalji and Tughlaq Dynasties.

UNIT-3

5. First battle of Panipat: Establishment of Mughal rule.
6. The Akbar: Mughal Administration and their Policies.

UNIT-4

7. Jahangeer, shahjah and Aurangazeb's admnistrativ policies.
8. Maps: (a) Important places in North India: Rajasthan, Utter Perdesh, Punjab, and Dehli.

Books Suggested:

I.   Athar Ali, Mughal Nability
II.   Smith, V.A. Akbar the great Mughal
III.   Percival Spear, Oxford History of India.
IV.   Misra BB, The Central Administration of the East India Company
V.   Sarkar, J.N.,   Fall of the Mughal Empire
VI.   Muzzafar Alam The crisis of empire in Mughal North   India Conp, Delhi, 1986
VII.   Mann, M.S. History of Ancient India (Raj Publishers, Jalandhar)
VIII.   Arora, A.C.,   History of Ancient India (Pardeep publications, Jalandhar)
IX.   Subharwal, S.P, History of Ancient India   (K. Duggal & Co.)
X.   Basham, A.L., Wonder That Was India, Calcutta: Rupa, 1992.
XI.   Goyal, S.R., A History of Indian Buddhism, Meerut: Kasumanjli Prakashan, 1987.
XII.   Habib, Irfan, Vivekanand Jha, Mauryan India, Delhi: Tulika Books, 2004.
XIII.   Jha, D.N. Ancient Indian an Historical Outline, Delhi: Manohar (2nd Rev. ed.), 2005.

XIV.   Ray Chaudhary, H.C. (re. ed.) by B.N. Mukherjee,   Political   History   of Ancient India, Calcutta: Oxford University Press, 1996.

XV.   Sastri, K.A. Nilakanta, A History of South India, 2nd ed., Oxford University Press, 1958.

XVI.   Sastri, K.A. Nilakanta, History of South India, from pre-historic times to the fall of vijaynagar, (4th ed.), Delhi: Oxford   Unversity Press, 1995.

GURU KASHI UNIVERSITY
University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Differential Equations   (A610201)

Semester-II	L T P
Credit-3	3 0 0

Course Outcomes :

CO1. Distinguish linear, nonlinear, ordinary and partial differential equations
CO2. Solve linear differential equations with constant and variable coefficients
CO3. Learn methods of forming and solving partial differential equations
CO4. Learn differentiation and integration of vector valued
functions
CO5. Compute all the solutions of second and higher order linear differential equations with constant coefficients, linear equations with variable coefficients.

Section A

Formulation of differential equations, Order and degree of a differential equation, equations of first order and first degree, solutions of equations in which variables are separable, Homogeneous equations, Linear equations and Bernoulli equations, Exact differential equations, integrating factors, Change of variables.

Section B

Equations of the first order and higher degree, Equations solvable for *p, y* and *x*, Clairaut equation, Lagrange's equation, Power series method, Bessel and Legendre equations

Section C

Linear differential equations with constant coefficient, Complementary function and particular integral. Particular integral of the forms , sinax, cosaxand , Homogeneous linear equations.

Section D

Linear differential equations of second order, Complete solution in terms of known integral belonging to the complementary function, Normal form, Change of independent variable, Method of undetermined coefficients, Method of variation of parameters, Simultaneous equations with constant coefficients, Simultaneous equations of form .

Text Books
1. K. W. Morton and D. F. Mayers, Numerical solution of Partial Differential Equations, Cambridge press, (2005).
2. John C. Strikewerda, Finite Difference equations, schemes and Partial Differential Equations, SIAM, (2004).
3. Gupta R.S., Elements of Numerical Analysis, Macmillan India Ltd (2008).

Reference Books
1. Langtangen H.P., Computational Partial Differential Equations Springer Verlag (2003).

2. C. H. Edwards and D. E. Penny, *Differential Equations and Boundary Value Problems: Computing and Modelling*, Pearson education, India 2005.
3. Khalil Ahmad: *Text Book of Differential Equations*, World Education Publishers, 2012.
4. . S. L. Ross: *Differential equations*, John Wiley and Sons, 2004.

Website/ Links/ Online portal/ICT

https://www.khanacademy.org/math/differential-equations

https://ocw.mit.edu/courses/mathematics/18-03-differential-equations-spring-2010/

Modern Algebra(610202)

Semester-II   L T P
Credit-3   3 0 0

Unit I : Group Theory

Sets, relations, functions, binary operations, Definition of groups with examples and its elementary properties, subgroups, order of an element of a group, cyclic groups, coset decomposition, Lagrange's theorem and its consequences, normal subgroup and factor groups. Various types of groups up to order 8.
Group Homomorphism, Isomorphism, kernel of a homomorphism, The homomorphism theorems, The isomorphism theorems, Permutation groups, Even and odd permutations, Alternating groups, Cayley's theorem, and Regular permutation group.
Definition and examples of Automorphism, inner automorphism, automorphism group of finite and infinite cyclic groups, conjugacy relation, normalizer and centre, External direct products, definition and examples of internal direct products.
Class equation of a finite group and its applications, structure of finite abelian groups, Cauchy's theorem, Sylow's theorem and consequences. Definition and example of Simple groups, non-simplicity test.

Unit II : Ring Theory

Rings and their elementary properties, Integral domain, Field. Subrings, Ideals and their properties, Field of quotients, Quotient rings.
Homomorphism of rings and its properties, Kernel of a homomorphism, Natural homomorphism, Isomorphism and related theorems, Euclidian rings, Unique factorization theorem.
Rings of polynomials over a field F, Properties of F[X], Rings of Gaussian integers, Rings of polynomials over rational field. Primitive polynomials and their properties. Gauss' Lemma and Eienstien's criterion for irreducibility.
Polynomial rings over commutative rings, unique factorization domain and its properties

Books Recommended:
• N. Herstein, *Topics in Algebra*, Wiley Eastern Ltd., New Delhi.
• Joseph A. Gallian, *Contemporary Abstract Algebra (4th Ed)*, Narosa Publishing House, New Delhi.
• N. Jacobson, *Basic Algebra Vol. I & II*, W. H. Freeman.
• N S Gopalakrishan, *University Algebra*, New Age International (P) Limited, New Delhi.
• Surjeet Singh and Qazi Zameeruddin, *Modern Algebra*, Vikas Publishing House Pvt. Ltd., New Delhi.
• I. N. Herstein, *Topics in Algebra*, Wiley Eastern Ltd., New Delhi.
• N. Jacobson: *Basic Algebra*, Volume I and II. W. H. Freeman and Co.
• Surjeet Singh and Qazi Zameeruddin: *Modern Algebra*, Vikas Publication.
• J.A. Gallian, *Contemporary Abstract Algebra*, Narosa Publication.

Probability and Statistics (610203)

Semester-II   L T P

Credit-3   3 0 0

Unit I : Sample space and events, algebra of events, axiomatic approaches, conditional probability, basic laws of total probability and compound probability, Byes' theorem, Independence.

Discrete and continuous random variables, mathematical expectation, variance, moment about a point, central moment, moment generating function, Binomial, Poisson, Normal and Rectangular distributions.

Two-dimensional random variables, joint distribution functions, marginal distributions, covariance, linear regression and correlation, rank correlation, least square method of fitting regression lines.

Unit II : Sampling, random sampling, large sample tests of means and proportion. t-student, (chi square) and F distributions (without derivation) and testing of hypothesis based on them. 2χ

Reference Books
1. Irwin Miller and Marylees Miller**,** *John E. Freund's Mathematical Statistics with Applications*, Pearson Education.
2. Robert V. Hogg, Allen Craig Deceased and Joseph W. McKean, *Introduction to Mathematical Statistics,* Pearson Education
3. Sheldon M. Ross, *Introduction to probability and statistics for engineers and scientists*, Elsevier Academic Press.
4. J.N. Kapur and H.C. Saxena, *Mathematical Statistics*, S. Chand.

Poltical Science-II (A601209)

Semester-II   L T P

Credit-5   5 0 0

CO1: To enhance the knowledge of the learner about political structure.

CO2: To enhance the knowledge of the learner about political System.

 CO3: To provide information regarding political issues of our times.

CO4: To know the meaning, working and different notions of democracy.

CO5: To understand social change and its various dimensions.

Unit I

1. Political System: Meaning, definition, characteristics and Scope with special reference David Easton and Almond
2. Political Culture: Meaning, definition, Characteristics and Types.
3. Political Socialization: Meaning, characteristics & agencies.

Unit II

4. Rights & Duties: Meaning, types & its relationship between both.
5. Universal Declaration of Human Rights and its classification.
6. Democracy: Meaning, features, & types.

Unit III

7. Liberty: Meaning, definition, types and its safeguards.
8. Equality: Meaning, definition, types& relationship between liberty and equality.

Unit IV

9. Justice: meaning and its various dimensions.
10. Social Change: Meaning and its various dimensions and Theories.

Text Books:

i)Baker, Donald G. "Political Socialization: Parameters & Predispositions." Polity 3.4 (1971): 586-600.

ii)Meyer, David S., and Deana A. Rohlinger. "Big books and social movements: A myth of ideas and social change." Social problems 59.1 (2012): 136-153.

iii)Lefort, Claude, and David Macey. Democracy and political theory. Vol. 225. Cambridge: Polity Press, 1988.

iv) Cohen, Jean L., and Andrew Arato. Civil society and political theory. MIT press, 1994.

v) Carnoy, Martin. The state and political theory. Princeton university press, 2014.

 Reference Books:

1. Robert A. Dahl:Modern Political Analysis, Prentice Hall, New Delhi, 1972.

2. Davies &Lewis:Models of Political Systems, Vikas, New Delhi, 1972.

3. Stephen L. Wasby :Political Science: The Discipline and its Dimensions, Scientific Book Agency; 1972.

4. B.L. Fadia: State Politics in India, Vol. II, New Delhi, Radint Publisher, 1984

5. Laxmikant, Indian Polity, Mchraw Hill Education, New Delhi, 2013.

6. R. Kothari: State against Democracy : In Search of Human Governance, Delhi, Ajantha, 1988

7. R. Kothari: Politics in India, New Delhi, Orient Longman, 1970

8. NirjaGopalayal, PartapBhanu Mehta, The Oxford Companies to Politics in India, Oxford University Press, 2010.

9. M.V. Pylee :Constituional Government in India, Bombay, Asia Publishing House, 1977

10. M.V. Pylee: An Introduction to the Constitution of India, New Delhi, Vikas 1998

Website/Links/Online Portal/ICT

I)Political System: Meaning, definition, characteristics and Scope
https://www.youtube.com/watch?v=yaPOdJ3hVSc
ii) Political Culture: Meaning, definition, Characteristics and Types.
https://www.youtube.com/watch?v=JuYs4GyR4fU, https://www.youtube.com/watch?v=7-uH0ALTnEE
iii)Political Socialization https://www.youtube.com/watch?v=M24nfGbeLzU
iv) Rights & Duties: Meaning, types & its relationship between both.
https://wwwyoutube.com/watch?v=MjYCebZXSdQ
v)Universal Declaration of Human Rights and its classification.
https://www.youtube.com/watch?v=nOqURD1uhOo,https://www.youtube.com/watch?v=9KZi-BGvkck, https://www.youtube.com/watch?v=n7qTz_HhUS4
vi)Democracy: Meaning, features, types.https://www.youtube.com/watch?v=csZvsFU_UKU
vii) Liberty: Meaning, definition, types and its safeguards.
https://www.youtube.com/watch?v=1k_-kFa-iaU,
https://www.youtube.com/watch?v=lGZU6_IBYnA
https://www.youtube.com/watch?v=ReeSbOEbjCo
VIII) Justice: meaning and its various dimensions.
https://www.youtube.com/watch?v=S1oYlNp58L0, https://www.youtube.com/watch?v=0-L0tGO-pLM
iv) Social Change: Meaning and its various dimensions and Theories.
https://www.youtube.com/watch?v=kCMszaT1QI8https://www.youtube.com/watch?v=wVbZFjOtn84

Business Communication (300202)

Credits 05   **L   T   P**
Sem:2nd   **4   1   0**

Introduction to Communication
Meaning and Definition, Process, Functions, Objectives, Importance, Essentials of good communication, Communication barriers, overcoming communication barriers

Types of Communication
Written , Oral , Face-to-face , Silence , Merits and limitations of each type

Business Letters
Need and functions of business letters, Planning & layout of business letter , Kinds of business letters, Essentials of effective correspondence,

Oral Communication
Meaning, nature and scope , Principles of effective oral communication , Techniques of effective speech, Media of oral communication (Face-to-face conversation , Teleconferences , Press Conference ,Demonstration , Radio Recording , Dictaphone , Meetings , Rumors , Demonstration and Dramatizations , Public address system , Grapevine , Group Discussion , Oral report , Closed circuit TV). The art of listening , Principles of good listening.

Information Technology for Communication
Word Processor , Telex , Facsimile(Fax) , E-mail , Voice mail , Internet , Multimedia, Teleconferencing , Mobile Phone Conversation , Video Conferencing , SMS , Telephone Answering Machine, Advantages and limitations of these types.

Topics Prescribed for workshop/skill lab
i) Group Discussion
ii) Mock Interview
iii) Decision Making in a Group
iv) Written Communication

References:
Business Communication , K. K. Sinha , Galgotia Publishing Company, New Delhi.
Essentials of Business Communication , Rajendra Pal and J. S. Korlhalli , Sultan Chand & Sons, New Delhi.
Business Communication (Principles, Methods and Techniques) Nirmal Singh , Deep & Deep
Publications Pvt. Ltd., New Delhi.
Business Correspondence and Report Writing , R. C. Sharma, Krishna Mohan , Tata McGraw,
Hill Publishing Company Limited, New Delhi.

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Physical Education-II (601212)

Semester-II   L T P
Credit-3   3 0 0

Theory (60 M)

1. **Cell:** - Structure and function of different part of Cell.
2. **Skeletal System:-**Nomenclature, structure and function of bones of axial and appendicular Skelton and classification of bone.
3. **Joints: -** Meaning, importance, structure and movement at different joints.
4. **Muscles: -** Structure and function of different types of muscles, Contraction of Skeletal muscles (eccentric, concentric and static).
5. **Circulatory system: -** Structure and function of heart, arteries, veins and capillaries and mechanism of blood circulation
6. **Drug Abuse: -** Causes symptoms, bad effects and control of Alcohol, Smoking and Drugs addiction.
7. **Pollution: -** Meaning, bad effects and remedial measures of Air, Water and Noise pollution.
8. **Sports injuries: -** Cause, symptoms, first aid, treatment and prevention of (Sprain. Strain, contusion, dislocation & fracture)
9. **First Aid: -** Introduction, Definition, Aim and Principles. Types & technique of first aid.
10. **Sports Psychology: -** Introduction, Definition, Aim and Principles.
11. **Heredity and environment: -** Meaning, scope and effects of heredity and environment of growth and Development.
12. **Classification of Age: -** Chronological age, physiological age and anatomical age.

Reference:
Health,Physical Education & Sports Dr. G.S. Kang, Dr. Nishan Singh Deol
General Science By S. Chanel
Kamlesh, M.L. & Sangral M.S.Principles and History of Physical Education, 1977.
Environmental Studies: V.K. Khosla, Mrs. Kanta Khosla, Dr. R. S. Rattan
Environmental Education: Mrs. Saroj Sobti, Surjit Singh

Physical Education-II (601217)

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Semester-II   L T P
Credit-2   0 0 4

Practical (40 M)

Middle Distance Running	8M (Any One Race)
Triple Jump	8M (Any One Style)
Discuss Throw	8M (Any One Style)
Kho-Kho, Table Tennis, Basketball	16M (Any One Game)

Evaluation will be based on skill test, performance &viva voce.
Contents to be covered during the practical sessions:
- Measurement of the field and preparation of the field
- Equipments and Materials of the game/ Event.
- Fundamental skill and lead up game.
- Techniques.
- Rules and Regulations of the game/ Event.
- Officiating:
  Duties of officials
  Knowledge of score sheet
  Signals of officiating
  Technical equipment for officiating

Economics-II (A601213)

Semester-II   L T P

Credit-5   5 0 0

Paper: Indian Economy

Course Objective:

The objective of the paper is to familiarize the students with the features and characteristics of the Indian economy. It also includes performance and problems of Industrial development, Indian tax structure, external trade and balance of payments, and objectives, strategy and performance of Indian planning. The course aims to develop analytical understanding of the students by exposing them to the basic issues of the Indian economy.

SECTION –A

Nature and Characteristics of Indian Economy, Agriculture in India: Nature and Importance of Agriculture, Causes of decline in productivity, Sustainable Agricultural Growth, New Agriculture Strategy and Green Revolution. Land Reforms: Need, Implementation and Critical Evaluation.

.SECTION –B

Industry: Performance and Problems of Industrial Development, Public and Private Sector. Role and Problems of Small, Cottage and Large Scale Industries, Latest Industrial Policy, Industrial pollution and its impact on environment.

SECTION -C

Indian Tax Structure: features and types. Foreign Trade: Direction and Composition of Exports and Imports and changes therein since Independence, Balance of Payments: Concept, Trends, causes, measure of its disequilibrium.

SECTION –D

Planning: Objectives, Strategy and Achievements of Indian Planning, Critical Evaluation of the latest Five Year Plan, Features of Population Growth in India, Major Indian Economic Problems: Inflation, Inequality, Unemployment, Poverty, Division of financial resources between Centre and the States

Recommended Readings:

1. P.K. Dhar : Indian Economy, 1999, Kalyani Publishers, Ludhiana.

2. K.S. Gill : Evolution of Indian Economy, NCERT, New Delhi.

3. A.N. Aggarwal : Indian Economy, Wiley Eastern Ltd.

4. Rudder Datt & KPM Sundram: Indian Economy, S. Chand & Co. (Latest Edition).

5. R.N. Soni : Leading Issues in Agriculture Economics, Sohan Lal Nagin Chand & Sons.

6. A. Ghosh (Trans. Avtar Narinder Singh) : Bhartiy Arth Vivstha (Punjabi University, Patiala).

7. Chander Gupt Singh : Bharti Arth Shastar (Punjabi University, Patiala).

8. S.K. Misra & V.K. Puri (English & Hindi Medium) : Indian Economy, Himalya Publishing House, Mumbai (Latest Edition).

9. B.B. Tandon & K.K. Tandon : Indian Economy, Tata McGraw Hills Pub. Co., New Delhi (1998).

Supplementary Readings :

1. Government of India : Five Year Plan (latest).

2. Government of India : Economic Survey (latest).

University College of Basic Sciences & Humanities (Code:6)
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Sociology-II (601214)

Semester-II   L T P
Credit-5   5 0 0

Paper-Fundamentals of Sociology

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Objectives:
- Understand the concept of Social interaction.
- Understand the Characteristics of Social Groups.
- Understand relation between Social control and social deviance.
- Understand the importance Social institutions.

Section-A
1. Social Interaction and Social Processes: Concepts of social interaction and social processes: types of social processes.
2. Integrative and Disintegrative (Cooperation, accommodation, assimilation, competition and conflict).

Section-B
3. Social Groups: Definition, characteristics.
   Types: (Primary and secondary, in group and out-group).

Section-C
4. Social Institution: Marriage (Definition and functions).
5. Family (Definition and functions) and Religion (Definition and functions).

Section-D
6. Social Control: Meaning and agencies of social control.
7. Social Deviance: Meaning, factors.

Books Recommended:
- Davis, Kingsley (1978)   Human Society, London: Mac Millan Company.
- Giddens, Anthony (2001)   Sociology, London: Polity.
- Haralambos, M (1980)   Sociology: Themes and Perspective London : Oxford University Press
- Jayaram, N (1988)   Introductory Sociology, Madras: Macmillan India
- Johnson, Harry, M. (1980)   A Systematic introduction, Delhi: Allied Publishers.
- Mair, Lucy (1972)   An Introduction to Social Anthropology, London : Oxford

  Clarendon Press.
- Mujamdar, D.N. & Madam
  T.N. (1956)   An Introduction to Social Anthropology, Bombay: Asian

  Publishing House.
- Rao, Shankar C.N (2005)   Sociology Part–I Jalandhar: New Academic Publishing House.
- Schaefer, Richard T. (1999) Sociology, New Delhi: Tata Mc Graw-Hill.
- Srinivas, M.N. (1995)   Social change in Modern India, New Delhi: Orient Longman.

- Srivastava, A.R.N. (2005)   Essentials of Cultural Anthropology, New Delhi: Prentice Hall of India.

Music (Vocal)-II A601215

Semester-II   L T P
Credit-3   3 0 0

Section A

1. Historical Development of music in following periods
   a) Ramayan Period   b) Mahabharat Period
2. Classification of Indian Musical Instruments.
3. Defintionofthe following in the ciontext of Gurmat Sangeet:
   Raag, Mahla , Rahao,,Ank.

SECTION B

1. Biographical sketches and contribution towards Indian Music of the following :
   (a) Pt.Vishnu Digambar Paluskar (b)Gujjar Ram Vasdev Ragi
2. Detailed study of Qwali Gayan

SECTION C

1. Biographical Sketches and Contribution of the Following:
   a) Pt. Jasraj   b) Ustad Amir Khan
2. Elementary Knowledge of the following Ragas
   a) Darbari   b) Bhairav

SECTION D

1.Importance of Sahayak Nad.
2.Methods of formation of 72 Thatas of Dakhani Music system of Pandit Vyakant Makhi.
3.Detailed Description and notation of prescribed Ragas:
 a) Vrindavani Sarang   b) Asawari

RECOMMENDED READINGS

1. Dr. Davinder Kaur: Sangeet Roop (Part-I)
2.Dr. Premlata Sharma: Sangeet Manual
3.Dr. Yaspal Sharma: Gayan Kalan
4. Dr. Suman Lata: Hindustani Shastri sangeet Sidhant avam Vyavhar

Music (Vocal)-II (Practical) **601216**

Semester-II   L T P
Credit-2   0 0 4

Performance   (Raag: Darbari, Bhairav & Talas)

Singing   (Any one out of Shabad, Bhajan,& Gazal)

Religious Studies-II (A601218)

Semester-II   L T P

Credit-5   5 0 0

ਸਿੱਖ ਧਰਮ (Sikh Religion)

Unit- I

(ਮੁਢਲਾ ਸਮਾਂ)

1. ਸਿੱਖ ਧਰਮ ਦਾ ਆਰੰਭ: ਸਮਕਾਲੀਨ ਪ੍ਰਸਥਿਤੀਆਂ

2. ਗੁਰੂ ਨਾਨਕ ਦੇਵ: ਜੀਵਨ ਅਤੇ ਸਿੱਖਿਆਵਾਂ

3.

ਯੋਗਦਾਨ   ਗੁਰੂ ਅੰਗਦ ਦੇਵ ਦਾ ਯੋਗਦਾਨ: ਸਿੱਖ ਧਰਮ ਦੇ ਪ੍ਰਚਾਰ ਅਤੇ ਪਸਾਰ ਵਿੱਚ

Unit- II

(ਵਿਕਾਸ)

4. ਗੁਰੂ ਅਮਰ ਦਾਸ: ਸਮਾਜ ਸੁਧਾਰ ਦੇ ਕਾਰਜ

5. ਗੁਰੂ ਰਾਮਦਾਸ: ਅੰਮ੍ਰਿਤਸਰ ਦੇ ਸਰੋਵਰ ਦੀ ਖੁਦਾਈ ਤੇ ਮਸੰਦ ਪ੍ਰਬੰਧ

6. ਗੁਰੂ ਅਰਜਨ ਦੇਵ: ਸ਼ਹਾਦਤ ਦੇ ਕਾਰਨ ਅਤੇ ਸਮਕਾਲੀ ਪ੍ਰਸਥਿਤੀਆਂ

Unit- III

(ਸੰਗਠਨ)

7. ਗੁਰੂ ਹਰਿਗੋਬਿੰਦ ਸਾਹਿਬ: ਮੀਰੀ-ਪੀਰੀ ਦਾ ਸਿਧਾਂਤ ਤੇ ਅਕਾਲ ਤਖ਼ਤ ਦੀ ਸਥਾਪਨਾ

8. ਗੁਰੂ ਤੇਗ ਬਹਾਦਰ: ਵਿਸ਼ਵ ਧਰਮ ਚਿੰਤਨ ਅਤੇ ਸਿੱਖ ਸ਼ਹਾਦਤ

9. ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ: ਖਾਲਸੇ ਦੀ ਸਾਜਨਾ

Unit- IV

(ਪ੍ਰਾਪਤੀਆਂ)

10. ਬਾਬਾ ਬੰਦਾ ਸਿੰਘ ਬਹਾਦਰ: ਜੀਵਨ, ਜਿੱਤਾਂ ਤੇ ਸ਼ਹਾਦਤ

11. ਸਿੱਖ ਮਿਸਲਾਂ: ਇਤਿਹਾਸਕ ਜਾਣ-ਪਛਾਣ, ਗੁਰਮਤਾ ਤੇ ਸਰਬੱਤ ਖਾਲਸਾ

12. ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ: ਜੀਵਨ ਤੇ ਪ੍ਰਾਪਤੀਆਂ

ਸਹਾਇਕ ਪੁਸਤਕਾਂ

1. **ਸਿੱਖ ਇਤਿਹਾਸ,** ਡਾ. ਗੰਡਾ ਸਿੰਘ, ਪ੍ਰਿੰ. ਤੇਜਾ ਸਿੰਘ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

2. **ਸਿੱਖ ਵਿਚਾਰਧਾਰਾ,** ਪ੍ਰੋ. ਪ੍ਰੀਤਮ ਸਿੰਘ, ਸ਼੍ਰੋਮਣੀ ਗੁਰਦੁਆਰਾ ਪ੍ਰਬੰਧਕ ਕਮੇਟੀ, ਅੰਮ੍ਰਿਤਸਰ।

3. **ਬਾਬਾ ਬੰਦਾ ਸਿੰਘ,** ਡਾ. ਗੰਡਾ ਸਿੰਘ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

4. **ਸਿੱਖ ਮਿਸਲਾਂ ਤੇ ਸਰਦਾਰ ਘਰਾਣੇ,** ਸੋਹਣ ਸਿੰਘ ਸੀਤਲ

5. **ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ,** ਬਾਬਾ ਪ੍ਰੇਮ ਸਿੰਘ ਹੋਤੀ

Punjab History & Culture (601219)

Semester-II	L T P
Credit-5	5 0 0

Section A

1. Punjab under Mauryas.
2. The Punjab under the Gupta Emperors.

Section B

3. Punjab under the Vardhana Emperors.
4. The Punjab from 7th Century to 1000 AD (A survey of Political and Socio-cultural history of Punjab).

Section C

5. The Punjab under Turke-Afghan Sultans.
6. The Punjab under the Great Mughals.

Section D

7. Development of Art and Architecture up to 1000 AD.
8. Salient features of the Bhakti movement.

Fashion Designing-II (601220)

Semester-II	L T P
Credit-3	3 0 0

SECTION-A

1. Classification of textile fibres, types of yarn.
2. Fibre to fabric processing (with special reference to the properties)
   (a) Natural fibres - (i) Cotton (ii) Silk (iii) Wool
   (b) Synthetic fibre - (i) Polyester (ii) Nylon.

SECTION-B

3. Yarn Construction
4. Fabric Construction

SECTION-C

5. Weaves
6. Principles of Design:
   (a) Balance
   (b) Emphasis
   (c) Rhythm
   (d) Proportion
   (e) Liearmony

SECTION-D

7. Elements of Design :
   (a) Line
   (b) Form/Shape
   (c) Texture
   (d) Colour

8. Applications of the principles and elements of design. The basic figure types :
   (i) Short and thin
   (ii) Short and Stout
   (iii) Tall and thin
   (iv) Tall and stout
   (v) Average.

LIST OF REFERENCE BOOKS

1. Textile and its Cares : Hess
2. Fundamentals of Textiles : Susheala Dan Tyagi

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Fashion Designing-II (practical) (601221)

Semester-II   L T P

Credit-2   0 0 4

1.   Basics Samples :

(a)   Stitching samples-straight, circular, square, spiral curvilinear &   chevours.

(b)   Seams and seam finishes - plain, lap, run and fell & mantrcounterhem   piped, pinking, overlocking & turned & stitched.

(c)   Bastings-Straight (running and tacking) Diagonal tar tailor's tack.

(d)   Hemmings - Vertical (Invisible) Slanting (Visible) lips stitching, blind   stitching.

(e)   Facings & Bindings - round, square, 'V' shape and shaped   neckliness.

(f)   Plackets and Fastness - Two piece (Kurta placket and Blouse placket)   One piece, extended, bodice, Zipper, placket.

(g)   Fullness treatment gathers into a band, Shiring, Smocking, tucks,   darts, pleats.

> (A)   Fancy embroidery stitch sampler :
> Stem, back, chain, satin, long & short, feather, blanket,
> bullion, French knots, herringbone, double knot, random
> crow fly stitch, couching, daisy and double daisy.
>
> (B)   Samples of applique work.

2.   Basic Sketching :

1.   Sketching eyes, nose, ear, lips, face, hands, arms, feet,
               legs and hairstyles.

2.   Fashion figure - 8½, 10 and 12 heads, front, back and ¾ profile.

IV.   Construction of Panty and Bloomer.

Home Science-II (601222)

Semester-II   L T P
Credit- 3   3 0 0

HUMAN HEALTH AND HYGINE

SECTION-A

1. Hygiene:
    a. Definition of hygiene.
    b. Definition of infection, sources, carrier and control
    c. Definition and types of immunity.
2. Food Hygiene:
    a. Definition
    b. Hygiene during preparation, service and storage of food.
    c. Food poisoning, causes and prevention.
3. Purification and storage of water for home.

SECTION - B

4. Causes and spread of following diseases:
    a. Caused by insects-malaria, dengu
    b. Conveyed by ingestion-enteric fever, cholera, dysentery and diarrhea.
    c. Spread by droplet infection, chicken pox, measles, mumps and tuberculosis.
    d. Sexually transmitted diseases – AIDS.

REFERENCES

1. Best & Taylor (1975): The living body, Bombay, Asia Publishing House.

2. Best & Taylor (1970): Human Body: Its Anatomy & Physiology, London Chapman & Hall Ltd.

3. Best & Taylor (1979): Physiological basis of medical practice, Baltimore, Williams & Wilkins Co.

4. Amour F.E.D. (1961): Basic Physiology, London, University of Chicago Press.

Home Science-II (601223) (PRACTICAL)

Semester-II   L T P

Credit- 2   0 0 4

1. Measuring body temperature.

2. Measuring Blood Pressure, and pulse rate

3. First Aid Techniques for Injuries-Burns, Cuts, Sprains and Fractures, poisoning and Drowning.

4. First Aid Techniques for-Cardiac Problems, Choking, and Unconsciousness.

ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ- **III** (A601301)

Semester-III   L T P

Credit-5   5 0 0

ਹਦਾਇਤਾਂ:-

ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। ਹਰ ਪ੍ਰਸ਼ਨ ਵਿੱਚ ਚੋਣ ਦਾ ਵਿਕਲਪ ਦਿੱਤਾ ਜਾ ਸਕਦਾ ਹੈ।

ਉਦੇਸ਼:-

> ਪੰਜਾਬੀ ਕਹਾਣੀ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

> ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਦੇ ਤੱਤਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

> ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ।

ਭਾਗ-ੳ

1. ਕਥਾ ਸੰਸਾਰ ਸੰਪਾਦਕ: ਜਸਵਿੰਦਰ ਸਿੰਘ, ਗੁਰਮੁਖ ਸਿੰਘ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ ।

> ਇਸ ਭਾਗ ਵਿੱਚ ਪੁਸਤਕ ਵਿੱਚੋਂ ਪਹਿਲਾ ਪ੍ਰਸ਼ਨ ਸਾਰ ਅਤੇ ਵਿਸ਼ਾ ਵਸਤੂ ਨਾਲ ਸਬੰਧਿਤ ਹੋਵੇਗਾ ਜਿਸ ਦੇ ਦਸ ਅੰਕ ਹੋਣਗੇ।

> ਦੂਸਰੇ ਹਿੱਸੇ ਵਿਚ ਕੋਈ ਤਿੰਨ ਪਾਤਰ ਦੇ ਕੇ ਦੋ ਦੀ ਉਸਾਰੀ ਕਰਨ ਨੂੰ ਕਿਹਾ ਜਾਵੇਗਾ ਇਸ ਦੇ 5+5=10 ਅੰਕ ਹੋਣਗੇ।

                                                                                                          20 ਅੰਕ

ਭਾਗ-ਅ

2. ਭਾਸ਼ਾ ਦਾ ਨਾਮਕਰਨ, ਪਿਛੋਕੜ ਅਤੇ ਨਿਕਾਸ।   5 ਅੰਕ

3. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਕਾਸ (ਮੱਧਕਾਲ ਅਤੇ ਆਧੁਨਿਕ ਯੁਗ)।   5 ਅੰਕ

4. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਸਾਰਥਕਤਾ, ਇਤਿਹਾਸ ਅਤੇ ਸਾਹਿਤਕ ਵਿਰਾਸਤ।   10 ਅੰਕ

ਭਾਗ-ੲ

5. **ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ**   **5 ਅੰਕ**

6. **ਗੁਰਮੁਖੀ ਲਿੱਪੀ ਦੀ ਬਣਤਰ**   5 ਅੰਕ

ਪੁਸਤਕ ਸੂਚੀ:

- ਰਤਨ ਸਿੰਘ ਜੱਗੀ (ਸੰਪਾਦਕ): ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਮੱਧਕਾਲੀਨ ਇਤਿਹਾਸ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

- ਜਸਵਿੰਦਰ ਸਿੰਘ, ਗੁਰਮੁਖ ਸਿੰਘ (ਸੰਪਾਦਕ), ਕਥਾ ਸੰਸਾਰ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

- ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰ, ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾ ਅਤੇ ਵੇਦ ਅਗਨੀਹੋਤਰੀ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ (ਭਾਗ-ਦੂਜਾ),ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ।

COMMUNICATION SKILLS –III (B601303)

Semester-III	L T P
Credit-5	5 0 0

Course Outcomes:

- Improve the vocabulary and writing skills.
- To make an understanding to prose writings.
- Students will be able to make writing assignments on life situations

Course Contents:

Each Course will have four sections for UG/Diploma Programs

Unit I

Gleanings from Home and Abroad (Orient Black Swan)

(i) 'A Talk on Advertising'- Harman Wouk
(ii) 'Globalisation' -Joseph Stiglitz.
(iii) 'Work Brings Solace' - A. P. J. Abdul Kalam
(iv) 'The Night the Bed Fell' - James Thurber
(v) 'Rising Tide of Urban Chaos'-Colin Legum
(vi) 'What is Wrong with Indian Films'-Satyajit Ray
(vii) 'More than 100 Million Women are Missing '-Amartya Sen
(viii) 'I have a Dream' -Martin Luther King
(ix) 'Why I want a Wife'-Judy Brady
(x)'Universal Declaration of Human Rights'-Leah Levin

Unit II

Texts Prescribed for Grammar Oxford Practice Grammar by John Eastwood (Exercises 54 to 59 and 91 to 103

Unit III
Writing skills

- Applications: Job
- Blog Writing

Unit IV

(A)   Vocabulary:
- Antonyms
- Idioms used in illustrative sentences.

Recommended Books:

     i. Gleanings from Home and Abroad (Orient Black Swan)

     ii. Grammar Oxford Practice Grammar by John Eastwood

     iii. Grammar Oxford Practice Grammar by John Eastwood

Reference Books:

     i) English Gramar and Compostion edited by Dr. Indibar Mukherjee

     ii) General English by U.R. Mediratta

Website/Links/Online Portal/ICT

i) https://blog.hubspot.com/marketing/how-to-start-a-blog

ii) https://www.indeed.com/career-advice/finding-a-job/how-to-write-an-application.

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

English Literature from Chaucer to The Eighteenth Century
(B601304)

Semester-III   L T P

Credit-5   5 0 0

PAPER-A: English Literature from Chaucer to The Eighteenth Century

Course Outcomes:

The students of Literature will be able to:

- Demonstrate the knowledge of the major texts and traditions of literature.

- Understand significant developments in the history of English literature.

- Apply theoretical approach to critical reading of texts.

Unit I
Important Concepts pertaining to Drama

The following terms will have to be studied:

1. Definition and Essence
2. Drama vs. Novel
3. Drama and Theatre
4. Dramatic action
5. Structure
6. Characterization
7. Dialogue
8. Stage Directions
9. Dramatic Conventions
10. Important terms pertaining to drama and stage:
    - Comic Relief
    - Pathos
    - Aside
    - Soliloquy

Unit II

History of English Literature from Chaucer to the Eighteenth Century & Important Trends and Movements in these periods:

- Renaissance and Reformation
- Origin and Rise of Drama in English
- Metaphysical Poetry
- Chief Characteristics of the Neo-Classical Literature.
- Rise of the Novel
- Restoration Comedy

Unit III

Important Texts of Chaucer to the Eighteenth Century period:

- *Pardoner's Tale*
- *Lycidas*
- *Mac Flecknoe*
- *Epistle to Dr Arbuthnot*
- *Pamela*

Section-D

William Shakespeare: Romeo and Juliet

Recommended Books:

References Books:

    i. M.H. Abrams: A Glossary of Literacy Terms

   ii. Twentieth Century Reader's Guide to Literacy Terms

Reference Books:

Romeo and Juliet , *A Dictionary of Shakespeare*

History of. **English Literature** by **EDWARD ALBERT**. Revised by J. A. STONE. Fifth Edition. OXFORD. UNIVERSITY PRESS ...

Website/Links/Online Portal/ICT

https://www.quora.com/What-is-the-best-way-to-read-a-fiction-drama.
http://www.editoreric.com/greatlit/books/history/english/literature

ਚੋਣਵੀਂ ਪੰਜਾਬੀ– **III** (**A**601305)

Semester-III   L T P
Credit-5   5 0 0

ਹਦਾਇਤਾਂ:-

ਭਾਗ-ੳ ਵਿੱਚੋਂ ਦਸ-ਦਸ ਅੰਕ ਦੇ ਦੋ ਸਵਾਲ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। ਪਹਿਲਾ ਸਵਾਲ ਸਾਰ ਜਾਂ ਵਿਸ਼ਾ ਵਸਤੂ ਦਾ ਹੋਵੇਗਾ।ਸਾਰ ਜਾਂ ਵਿਸ਼ੇ ਵਸਤੂ ਸਬੰਧੀ ਦੋ ਵਿੱਚੋਂ ਕੋਈ ਇੱਕ ਸਵਾਲ ਕਰਨਾ ਹੋਵੇਗਾ।ਭਾਗ ਅ ਵਿਚ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨਾਲ ਸਬੰਧਿਤ ਕੋਈ ਪੰਜ ਵਿੱਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹੋਣਗੇ ਹਰੇਕ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ।ਭਾਗ ੲ ਵਿੱਚ ਪੰਜ ਵਿੱਚੋਂ ਕੋਈ ਤਿੰਨ ਸੰਕਲਪਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰਨੀ ਹੋਵੇਗੀ ਹਰੇਕ ਦੇ ਤਿੰਨ ਅੰਕ ਹੋਣਗੇ।

ਭਾਗ-ੳ
1. ਕਥਾ ਲੋਕ (ਕਹਾਣੀ ਸੰਗ੍ਰਹਿ) ਸੰਪਾਦਤ. ਡਾ. ਜਸਵਿੰਦਰ ਸਿੰਘ।

ਭਾਗ-ਅ
2. ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1700–1850)

ਭਾਗ-ੲ
3. ਸਾਹਿਤ ਦੇ ਰੂਪ: (ਕਿੱਸਾ, ਕਾਫ਼ੀ, ਵਾਰ, ਜੰਗਨਾਮਾ ਅਤੇ ਸ਼ਲੋਕ)।

ਪੁਸਤਕ ਸੂਚੀ :

- ਜਗਬੀਰ ਸਿੰਘ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(ਆਦਿ ਕਾਲ ਤੇ ਭਗਤੀ ਕਾਲ) ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ ਅੰਮ੍ਰਿਤਸਰ

- ਪਰਮਿੰਦਰ ਸਿੰਘ, ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ ਅਤੇ ਗੋਬਿੰਦ ਸਿੰਘ ਲਾਂਬਾ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ ਲੁਧਿਆਣਾ।

- ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਸਮੀਖਿਆ ਪ੍ਰਣਾਲੀਆਂ, ਪੰਜਾਬ ਸਟੇਟ ਟੈਕਸਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜੂ।

- ਹਰਭਜਨ ਸਿੰਘ ਭਾਟੀਆਂ ਤੇ ਬਿਕਰਮ ਸਿੰਘ ਘੁੰਮਣ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਇਤਿਹਾਸਕਾਰੀ(ਭਾਗ ਪਹਿਲਾ ਅਤੇ ਦੂਜਾ), ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ ਅੰਮ੍ਰਿਤਸਰ

Hindi Literature-III (A601306)

	L T P
Semester-III	
Credit-5	5 0 0

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GURU KASHI UNIVERSITY
University College of Basic Sciences & Humanities (Code:6)
B.A (601)

History-III (601307)

Semester-III   L T P
Credit-5   5 0 0

Paper-I: History of India, (1707-1947)

Objectives:
- To enhance the knowledge of the learner about the Modern India.
- To understand the causes and effects of decline of Mughals.
- To understand the causes and effects of National movements.
- To understand the Social, Economic & Religious conditions of the Modern India.

SECTION-A
1. Cause of the downfall of Mughal Empire.
2. Battles of Plassy and Buxer. Administrative and Social reforms of Cornwallis, Bentinck and Dalhousie.

SECTION-B
3. The uprising of 1857: Causes, results and causes of its failure.
4. Social-Culture Movements, Brahmo Samaj, Arya Samaj, Singh Sabha Movement.

SECTION-C
5. British Economic Policy in India-Agriculture, Rural indebtedness.
6. Foundation of Indian National Congress: Phases of Moderate Politics; Rise of Extremism.

SECTION-D
7. Emergence of Gandhi: Satyagraha Campaigns.
8. **Maps:**
a) British India in 1805 A.D. b) British India in 1818 A.D.
c) Important Centres of the Revolt of 1857.

Books Suggested:

1. Roberts, P.E.	:	History of British India, PP. 129-190, 200-232, 300-309, 359-396, 582-657.
2. Ishwari Prashad and 479. Subedar, S.K.	:	A History of Modern India, PP. 64-165, 206-274, 402-479.
3. Speer, P.	:	History of Modern India.
4. Smith, V.A. 705-	:	The Oxford History of India, PP. 465-590, 654-672, 739, 790-838.

5.	Bisheswar Prashad	:	Bondage and Freedom
6.	Majumdar, R.C. and Others (eds)	:	British Paramountcy and Indian Renaissance, PP. 1-92, 406-432, 467-554, 603 (Bhartiya Vidya Bhawan Publications)
7.	Majumdar R.C. and 721-782 Others (eds.)	:	Struggle for Freedom, PP. 17-34, 454-526,634-679,
8.	Majumdar R.C. and Others (eds.)	:	An Advanced History of India
9.	Thompson and Garret	:	Rise and Fulfilment of British Rule in India
10.	Sikri, S.L.	:	Constitutional History of India (English, Punjabi & Hindi)
11.	Aggarwal, R.C.	:	Constitutional History of India (English & Punjabi)
12.	Gupta, S.K.	:	The Scheduled Castes in Modern Indian Politics
13.	S.K. Bajaj & Rekhi J.S.	:	History of India, 1818-1919 (Punjabi)
14.	Arora, A.C.	:	History of Modern India (Punjabi & Hindi), PP. 1-346
15.	Davies, C.C.	:	Historical Atlas of the Indian Peninsula
	Arora, A.C.	:	Atlas of Modern Indian History.

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Advanced Calculus   (A610301)

Semester-III   L T P

Credit-3   3 0 0

Course Outcomes :

CO1. Understand the concepts of completeness, continuity and discontinuity of metric spaces

CO2. Distinguish between continuous functions and uniform continuous functions

CO3. Explain subsequences and upper and lower limits of a sequence.

CO4. Introduction of Taylor and Euler theorem.

CO5. Prove theorems on different test of convergence and divergence of a series of

positive terms.

SECTION-A

Limit and Continuity of Functions of several variables. Differentiability of real-valued functions of two variables. Partial differentiation, Jacobians and their properties, Schwarz's & Young's theorems.

SECTION -B

Euler's theorem on homogenous functions. Taylor's theorem for functions two variables and error estimation. Maxima and Minima, Lagrange's multiplier method .Convergence of Taylor's Series.

SECTION-C

Scalar and vector fields, differentiation of vectors, velocity and acceleration. Vector differential operators: Del, Gradient, Divergence and Curl, their physical interpretations. Formulae involving Del applied to point functions and their products.

SECTION D

Line, surface and volume integrals, Greens Theorem in the Plane Parameterized Surface, Stokes Theorem and the Divergence Theorem. Applications of Green's, Stoke's and Divergence theorem.

Text Books
1. Rudin, W., Principles of Mathematical Analysis, 3rd Edition. New Delhi: McGraw-Hill Inc., 2013.
2. Royden, H.L. and Fitzpatrick, P.M., Real Analysis, 4th Edition. New Delhi: Pearson, 2010.
3. Apostol, T.M., Mathematical Analysis –A modern approach to Advanced Calculus.

New Delhi: Narosa Publishing House, 1957.

Reference Books
1. Sneddon, I.N., Elements of Partial Differential Equation, 3rd Edition. McGraw Hill Book Company, 1998.
2. Copson, E.T., Partial Differential Equations, 2nd Edition. Cambridge University Press, 1995.
3. Strauss, W.A., Partial Differential Equations: An Introduction, 2nd Edition. 2007.
4. Sharma, J.N. and Singh, K., Partial differential equations for engineers and scientists, 2nd Edition. New Delhi: Narosa Publication House, 2009.

Website/ Links/ Online portal/ICT
1. http://people.math.harvard.edu/~shlomo/docs/Advanced_Calculus.pdf
2. https://ocw.mit.edu/courses/mathematics/18-075-advanced-calculus-for-engineers-fall-2004/

Analysis –I   (A610302)

Semester-III   L   T   P
Credit-3   3   0   0

Course Outcomes :

 CO1. Distinguish linear, nonlinear, ordinary and partial differential equations
CO2. Solve linear differential equations with constant and variable coefficents
CO3. Explain the basic properties of Laplace Transforms and Inverse Laplace Transforms.
CO4. Use the Laplace transform to find the solution of linear differential equations
CO5. Learn methods of forming and solving partial differential equations

SECTION-A

Elementary Methods in Ordinary Differential Equations, Formation of a differential equation. Solutions: General, particular, and singular. First order exact equations and integrating factors. Degree and order of a differential equation, Equations of first order and first degree, Equations in which the variable are separable, Homogeneous equations, Linear equations and equations reducible to linear form.

SECTION - B

Linear differential equations of second order, Transformation of the equation by changing — the dependent variable and the independent variable, Method of variation of parameters, Ordinary simultaneous differential equations.

SECTION - C

Laplace transforms, Introduction to infinite integrals, Linearity of Laplace trans-forms. Existence theorem for Laplace transforms. Laplace transforms of derivatives and integrals, Applications of Laplace transforms.

Section D

Inverse Laplace Transforms, Shifting theorems, Differentiation and integration of transforms. Convolution theorem, Solution of integral equations and systems of differential equations using Laplace transforms.

TEXT BOOKS
1. Rudin, W., Principles of Mathematical Analysis, 3rd Edition. New Delhi: McGraw-Hill Inc., 2013.
2. Royden, H.L. and Fitzpatrick, P.M., Real Analysis, 4th Edition. New Delhi: Pearson, 2010.

Reference Books
1. Carothers, N. L., Real Analysis, Cambridge University Press, 2000.
2. Apostol, T.M., Mathematical Analysis –A modern approach to Advanced Calculus. New Delhi: Narosa Publishing House, 1957.
3. Abbott, S., Understanding Analysis, 2nd Edition. Springer, 2016.
4. P. K. Jain and S. K. Kaushikk, *An Introduction to Real Analysis*, S. Chand & Co., New Delhi, 2000

5. R. R. Goldberg, *Real Analysis*, Oxford & IBH Publishing Co., New Delhi, 1970.

Website/ Links/ Online portal/ICT

1. https://economictimes.indiatimes.com/definition/analysis
2. http://www.businessdictionary.com/definition/analysis.html

Mechanics – I (A610303)

Semester-III   L T P

Credit-3   3 0 0

Course Outcomes :

CO1. *Define Resultant, Component of a Force, Coplanar forces, like and unlike parallel*

forces, Moment of a force and Couple with examples.

 CO2. *Prove the Parallelogram of Forces, Triangle of Forces, Converse of the Triangle of*

Forces, Polygon of Forces, Lami's Theorem, Varignon's theorem of moments.

CO3. *Find the resultant of coplanar couples, equilibrium of couples and the equation to the line of action of the resultant.*

CO4. *Discuss Friction, Forces of Friction, Cone of Friction, Angle of Friction and Laws of friction.*

CO5. *Define catenary and obtain the equation to the common catenary*

CO6. *Find the tension at any point and discuss the geometrical properties of a*

catenary.

SECTION-A

Statics: Basic notation, Newton Laws of motion, system of two forces, parallelogram law of forces, resultant of two collinear forces, resolution of forces, moment of a force, couple, theorem on moments of a couple,

SECTION -B

Coplanar forces, resultant of three coplanar concurrent forces, theorem of resolved parts, resultant of two forces acting on a rigid body, Varignon's theorem, generalized theorem of moments.

SECTION -C

Equilibrium of two concurrent forces, equilibrium condition for any number of coplanar concurrent forces, Lami's theorem. λ - μ theorem, theorems of moments, resultant of a force and a copule.

SECTION- D

Dynamics: Motion in a straight line, Newton's law of motion, Motion on an inclined plane. Motion under variable acceleration, Simple harmonic motion, Relative Motion, Projectiles,

Work, Power, Energy

Text Books

1. Elsegolc, L.D., Calculus of Variation, Dover Publication, 2007.
2. Gantmacher, F., Lectures in Analytic Mechanics, Moscow: Mir Publisher, 1975.
3. Goldstien, H., Poole, C. and Safco, J.L., Classical Mechanics, 3rd Edition. Addison Wesely, 2002.

Reference Books
1. Landau, L.D. and Lipshitz, E.M., Mechanics, Oxford: Pergamon Press, 1976.
2. Marsden, J.E., Lectures on Mechanics, Cambridge University Press, 1992.
3. Biswas, S. N., Classical Mechanics, Books and Applied (P) Ltd., 1999.

Website/ Links/ Online portal/ICT
1. https://revisionmaths.com/advanced-level-maths-revision/advanced-level-mec
2. https://www.udemy.com/course/mechanics-1-as-a-level-mathematics-course-unit-m1/

GURU KASHI UNIVERSITY
University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Political Science-III (A601309)

Semester-III   L T P
Credit-5   5 0 0

Paper-Indian Political System

Instructions for Examiner/Candidates: The question paper shall have 14 questions. Section A will be of five questions having consist 2 marks each. Section B will consist of six questions and candidate has to attempt any 4 questions which will be of 5 marks each. Section C will be of three questions each question will carry 10 marks each and candidate has to be attempt any two questions.

CO1: To enhance the knowledge of the learner about political structure.
CO2: To enhance the knowledge of the learner about political System.
CO3: To provide information regarding political issues of our times.
CO4: To grasp the understanding with regard to Indian National movement.
CO5: To know the evolution of the Indian constitution.

Unit I
1. Government of India Act 1919: Main features with special emphasis on Dyarchy.
2. Government of India Act, 1935: Main Features, All India Federation and Provincial Autonomy

Unit II
3. Basic features of India's Constitution
4. Preamble and its importance
5. Centre-State relations

Unit III

6. Human Rights:National Human Rights Commission and Punjab Human Rights Commission
7. Fundamental Rights
8. Fundamental Duties

Unit IV
9. President : Election, Powers, Position and Changing Role
10. Parliament : Composition, Powers and Role

Text Books:
i)Assembly, Constituent. "Constitution of India." Ministry of Law and Justice, editor. New Delhi, India: Ministry of Law and Justice, India (1949).
ii)Bose, Durgadas, ed. Commentary on the Constitution of India... Vol. 1. SC Sarkar, 1955.

iii)Joshi, GulabbhaiNaranji. The Constitution of India. Delhi: Macmillan Company of India, 1975.
iv)Ghosh, Pratap Kumar. *The Constitution of India: How it Has Been Framed*. PrabhatPrakashan, 1966.
v)Puneeth, P. "39_V. N. Shukla Constitution of India (2008)." (2016).

Reference Books:

1.	G. Austin	The Indian Constitution: Corner Stone of a Nation, Oxford, Oxford University Press, 1966
2.	G. Austin	Working of a Democratic Constitution: The Indian Experience, Delhi, Oxford University Press, 2000
3.	D.D. Basu	An Introduction to the Constitution of India, New Delhi, Prentice Hall, 1994
4.	C.P. Bhambari	The Indian State fifty years, New Delhi, Sipra, 1997
5.	P.Brass University	Politics of India since Independence, Cambridge Press, 2003
6.	P. Brass	Ethnic Groups and the State, London, Croom Helm, 1995
7.	P. Brass	Language, Religion and Politics in North India, London, Cambridge University Press, 1974
8.	B.L. Fadia	State Politics in India, Vol. II, New Delhi, Radint Publisher, 1984
9.	F.R. Frankel	Indian Political Economy 1947-1977, The Gradual Revolution, Oxford, Oxford University Press, 1978
10.	R. Kothari	State against Democracy: In Search of Human Governance, Delhi, Ajantha, 1988
11.	R. Kothari	Politics in India, New Delhi, Orient Longman, 1970
12.	R. Kothari	Party System and Election Studies, Bombay, Asia Publishing House, 1967
13.	Iqbal Narain (ed)	State Politics in India, Meerut, MeenakshiParkashan, 1967.
14.	S.S. Nanda	Indian Government and Politics.

Website/Links/Online Portal/ICT

i) Government of India Act 1919: https://youtu.be/uhEMHt0G1Us
ii) Government of India Act, 1935: https://youtu.be/XCca3z2yOBw
iii) Basic features of India's Constitution https://youtu.be/GrMAWYPoIRQ
iv) Preamble and its importance https://youtu.be/cIdxJ2n7qek
v) Centre-State relations https://youtu.be/jN_IVXQr3DQ

vi) Human Rights and National Human Rights Commission.https://youtu.be/qcalRNDsoLY

vii) Fundamental RightsDuties and https://youtu.be/0a_N7XoQdUo

viii) President : Election, Powers, Position and Changing Role https://youtu.be/bntJ9QSigXc

ix) Parliament : Composition, Powers and Role https://youtu.be/NUhhhRf3tkw

System Analysis & Design (300304)

Credits -05

L T P

4 1 0

System Concepts: Definition, characteristics, elements & types of system.

System development life cycle: Recognition of need: Feasibility study, system analysis,
introduction,
information collection, interviews, questionnaires, observation, record searching and
document analysis,
analysis tools, data flow diagram, data dictionary, decision tree, structured English and
decision table.

System Design: The process and stages of systems design, input/output and file design;
System Implementation: System implementation, system testing, implementation process and
implementation methods ,
system maintenance.

References:

1. Awad Elias N**.**   **System analysis and design** (Galgotia)
2. Sen James A.   **Analysis and design of information system** (Tata McGraw)

Physical Education-III (601312)

Semester-III   L T P

Credit-3   3 0 0

Theory (60 M)
1. **Psychology: -** Importance in sports training and competition and relationship with physical education.
2. **Learning: -** Meaning, laws of learning, nature of motor learning, transfer of learning and learning curve.
3. **Motivation: -** Meaning, Types, Methods and importance in physical education and sports.
4. **Play: -** Meaning, theories, types and importance.
5. **Psychological factors affecting sports performance: -** Meaning and remedial measure of anxiety and aggression in sports.
6. **Adolescent Period: -** Meaning, Characteristics (Physical, Psychological and sociological) Remedial measures to control adolescent problems.
7. **Childhood: -** Meaning, and Characteristics of physical, mental psychological and social growth and development in childhood.
8. **Sports relationship: -** Role and importance of sports and economy, sports and polities.
9. **Sports performance: -** Causes and remedial measures of India's poor performance in Sports.
10. **Individual differences: -** Meaning, importance and determination.
11. **Socialization:-** Meaning, characteristics and role of family, school and sports in socialization.
12. **Integration: -** Meaning, and importance of sports in national and international integration.

Reference:

Kang G. S. Deol N. S. – An introduction to Helth and Physical Education 21st century Patiala 2008.

Blair, jones and Simpson: Educational Psychology, The Macmillan co, New York,1962.

Lindgren. H. E. Educational Psychology in the class Room, new delhi, john wiley & sons, 1962.

Whiting HTA : Reading in sports Psychology, Henry Kimpton Publisher London 1972.

Dhaliwal A. S. Vidyak Manovidyan, Patiala, Punjabi University.

Puni, A. T. Sports Psychology: An abridged translation by G. S. Sandhu, NIS Patiala, 1980.

Suin, R.M. Psychology in Sports, Methods and applications., Surjit Publications, new delhi 1982.

Ajmer Singh and Jagtar Singh Gill: Essentail of Physical education and Olympic movement KalyaniPublishers, Ludhiana.2004.

Physical Education-III (601317)

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Semester-III   L T P
Credit-2   0 0 4

Practical (40M)
> Long Distance Running   8M (Any One Race)
> High Jump   8M (Any One Style)
> Javelin Throw   8M (Any One Style)
> Wrestling, Lawn Tennis, Handball   16M (Any One Game)

Evaluation will be based on skill test, performance &viva voce.
Contents to be covered during the practical sessions:
- Measurement of the field and preparation of the field
- Equipments and Materials of the game/ Event.
- Fundamental skill and lead up game.
- Techniques.
- Rules and Regulations of the game/ Event.
- Officiating:
  > Duties of officials
  > Knowledge of score sheet
  > Signals of officiating
  > Technical equipment for officiating

Economics-III (A601313)

Semester-III   L T P

Credit-5   5 0 0

Paper: Macro Economics

Instructions for Examiner/Candidates: The question paper shall have 14 questions. Section A will be of five questions having consist 2 marks each. Section B will consist of six questions and candidate has to attempt any 4 questions which will be of 5 marks each. Section C will be of three questions each question will carry 10 marks and candidate has to be attempt any two questions.

Course Objective:

Macroeconomics is concerned with the analysis of economic phenomena from the perspective of the individual. The course covers the basic concepts and tools needed to undertake the analysis of such problems that arise due to the law of scarcity. The course also aims at introduction of the functioning of competitive and noncompetitive product markets and performance of the markets for resources. The students are expected to develop rudimentary understanding of how and why consumers, firms, and markets in the economy function the way they do.

SECTION –A

Distinction between Micro and Macro Economics, Determination of income and Employment: Classical and Keynesian Models, Say's law of Market and aggregate demand and aggregate supply.

SECTION –B

Consumption and Investment Functions: Average and Marginal Propensity to consume, Multiplier: Static and dynamic Multiplier. Investment: Types, Factors affecting investment decisions.

SECTION – C

Money: Its functions and role, Money Market and Capital Market. Classical Theory of Money and Interest: Liquidity Preference Theory.

.

SECTION – D

Trade Cycle: Meaning, characteristics and phases. Samuelson and Hicks Models of Trade Cycle. Macroeconomic Policies: Fiscal Policy: Meaning, objectives and instruments. Monetary Policy: Meaning, objectives and instruments.

Recommended Readings :

1. T.F Durnbarg and McDougal : Macro Economics, McGraw Hill, New York, 1976 (full book).
2. O.P. Sharma : Macro Economics (Punjabi Medium), Punjabi University, Patiala.
3. M.C. Vaish, Macro Economic Theory, Oxford University Press.
4. Harvey J and Johnson M: Introduction to Macro Economics, Mc Millan, London.
Supplementary Readings:
1. Gardner Ackley: Macro Economic Theory, Macmillan, New York, 1985 (Full book).
2. C.W. Baird: Elements of Macro Economics, West Publishing Company, 1977.

Sociology-III (601314)

Semester-III   L T P

Credit-5   5 0 0

Paper-Social Structure of Indian Society

Objectives:
- Understand the forms of Social Stratification.
- Understand the Theories of Social Stratification.
- Understand the Caste System and Class in India.
- Understand the Types and changing patterns in Marriage and Family in India.
- Understand the Features of Societal Organization in India.

Section-A
1. Social Stratification: Bases and Forms.
2. Theories of Social Stratification: (Karl Marx, Davis)

Section-B
3. Caste in India: Definition, features and changing patterns.
4. Class in India: Definition and bases, caste and class and its difference.

Section-C
5. Marriage and Family in India: Functions, Types and Changing patterns.

Section-D
6. Features of Societal Organization in India: Tribal, Rural and Urban.

Books Recommended:
- Bhatnagar, G.S.
- and Baldev Singh Rehal 1997   Bharati Samaj, Patiala. Punjabi University.
- Desai, A.R.1990   Roral Sociology in India Bombay: Popular Prakashan
- Kapadia K.M 1972   Marriage and Family in India, London: Oxford University Press.

Music (Vocal)-III A601315

Semester-III   L   T   P

 Credits: 3   3   0   0

Section A

1. Brief life sketches of and contributions of great Musician:

a) Ustad Bismillah Khan

b) Dalip Chander Bedi

c) Prof. Tara Singh

Section B

1. Knowledge of Bharkhande Thaat padhati.

2. Dfferent Jaties of Ragas of the present Ragas system of north Indian music.

3. To write the notations of the present Ragas: Bageshri, Bhopali.

Section C

1. Various developments in brief in the history of north Indian music during the modern

   period18[th] to 20th century AD.

2. Knowledge of the following Non-detailed Ragas:

  a) Deshkar b) Bilawal (Only Aroh- Avroh& pakad)

Section D

1. Knowledge of Dhrupad

2. Definition & Types of Khayal.

3. Brief description of Tanpura

RECOMMENDED READINGS

1.Dr.Davinder kaur :   Sangeet roop; Sangeetanjali Publications Patiala
2.Dr.Mrieunjaya Sharma,Dr.Ram Narayan: Sangeet manual; H.G Publications Dehli
3.Dr.Yaspal Sharma: Gayan Kalan; Punjabi University Patiala
4.Dr. Suman Lata: Hindustani Shastri Sangeet Avam Vyavyar; Karnal Publications

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Music (Vocal)-III (Practical) 601316

Semester-III   L   T   P

 Credits: 2   0   0   4

Performance

1. One Vilambit Khayal in any of the Prescribed Ragas.

2. One Sargam Geet in any of the Prescribed Ragas.

3. Ability to play on Harmonium at least five alankaras.

4. One Drut khayal in each of the following Ragas with simple Alaps & Tanas: Bagesheri, Bhopali.

5. Ability to recognize Ragas of the course sung by the Examiner.

6. Ability to recite bols of Talas Prescribed in the course in Ek Talas & Dugun by hand:

 a) Dadra b) Kahrva teen Talas

Religious Studies-III (601318)

Semester-III   L T P

Credit:- 5   5 0 0

Sami Dharam

Section- A
(ਯਹੂਦੀ ਧਰਮ)

੧.   ਮੁੱਢਲੀ ਜਾਣ-ਪਛਾਣ।

੨.   ਪੈਗੰਬਰ ਮੂਸਾ ਸਾਹਿਬ ਦਾ ਜੀਵਨ।

੩.   ਪੁਰਾਣਾ ਨੇਮ ਸੰਖੇਪ ਜਾਣਕਾਰੀ।

Section- B
(ਈਸਾਈ ਧਰਮ)

੪.   ਈਸਾਈ ਧਰਮ ਦਾ ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ।

੫.   ਹਜ਼ਰਤ ਈਸਾ ਮਸੀਹ ਜੀ ਦਾ ਜੀਵਨ।

੬.   ਨਵਾਂ ਨੇਮ ਸੰਖੇਪ ਜਾਣਕਾਰੀ।

Section- C
(ਇਸਲਾਮ ਧਰਮ)

੭.   ਇਸਲਾਮ ਧਰਮ ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ।

੮.   ਹਜ਼ਰਤ ਮੁਹੰਮਦ ਸਾਹਿਬ ਅਤੇ ਉਹਨਾਂ ਦਾ ਮਿਸ਼ਨ।

੯.   ਪਵਿੱਤਰ ਕੁਰਆਨ ਦਾ ਇਸਲਾਮ ਧਰਮ ਵਿਚ ਸਥਾਨ।

Section- D
(ਪਾਰਸੀ ਧਰਮ)

੧੦.   ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ

੧੧.   ਜ਼ਰਤੁਸਤ ਜੀ ਦਾ ਜੀਵਨ ਤੇ ਸਿੱਖਿਆਵਾਂ।

੧੨.   ਜੰਦ ਅਵੇਸ਼ਤਾ:- ਸੰਖੇਪ ਜਾਣਕਾਰੀ।

ਸਹਾਇਕ ਪੁਸਤਕਾਂ:-

੧.   ਸੰਸਾਰ ਦੇ ਧਰਮ (ਡਾ. ਹਰਬੰਸ ਸਿੰਘ, ਡਾ. ਐਮ. ਐਲ ਜੋਸੀ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ)

੨.   ਈਸਾਈ ਧਰਮ ਇਕ ਜਾਣ- ਪਛਾਣ (ਕਰਤਾਰ ਚੰਦ ਭੱਟੀ ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ)

੩.   ਠਹਏ ੲਲਗਿਔਨੋ ੋ ੲਸਲਉਮ (ੲ. ਅਲਿ ੳੁਲਉਨੲ)

੪.   ਵਿਸ਼ਵ ਧਰਮ ਸੰਗ੍ਰਹਿ:- ਡਾ. ਐਮ. ਐਲ ਜੋਸੀ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ)

Punjab History & Culture (601319)

Semester-III   L T P

Credit:- 5   5 0 0

Section A

1. Sufism in the Punjab.
2. Political, Social and Religious. Condition of the Punjab; Late 15th and Early 16th Century.

Section B

3. Guru Nanak Dev's teachings and impact on society.
4. Development of Sikhism under Guru Angad, Guru Amar Dass and Guru Ram Dass.

Section C

5. Guru Arjan: Compilation of Adi Granth, Language, Script, Arrangement of Material, Contents and Significane.
6. Martyrdom of Guru Arjan: Causes and Impact.

Section D

7. Guru Hargobind: Organisational changes and their Impact.
8. Development of Sikhism: Guru Har Rai Ji and Guru Harkrishan Ji.

Fashion Designing-III (601320)

Semester-III   L T P

Credit-3   3 0 0

SECTION-A

1.   Textile dyeing :
        a.   Natural and Synthetic dyes
        b.   Home and Industrial dyeing

2.   Printing :
        Hand and Machine

SECTION-B

3.   Finishing : Importance and types
        a.   Permanent
        b.   Stabilising
        c.   Functional
        d.   Decorative
4.   Bleaches
        a.   Oxidising
        b.   Reducing
        c.   Optical

BOOKS RECOMMENDED

1.   Bernard P. Corbman : Textiles, Fibre to Fabric.
2.   Raj Bhatia (Theory) : Stitching Art
3.   Prem Lata Mullick : Garments Construction Skills

Fashion Designing-III (practical) (601321)

Semester-III   L T P
Credit-2   0 0 4

SECTION-A

1 Traditional Textiles:
   Tye & Die , file (Atleast-25 Sample)
2. Bandhni and Batik.
3. Block printing &screen Painting, Free Hand Painting

SECTION-B

3. Study ofArt and Fabric, Footwear, Head dresses and other accessories during the
    following period.
    a.   Indus valley
    b.   Mouran & Sunga Period
    c.   Satavahana Period
    d.   Kushan Period
    e.   Gupta Period
    f.   Mughal Period
    g.   British Period.

BOOKS RECOMMENDED

1.   Bernard P. Corbman : Textiles, Fibre to Fabric.
2.   Raj Bhatia (Theory) : Stitching Art
3.   Prem Lata Mullick : Garments Construction Skills

Home Science-III (601322)

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Semester-III   L T P

Credit- 3   3 0 0

CLOTHING & TEXTILE

SECTION-A

1. Sewing equipment and supplies used in clothing construction and their use and care.

2. Sewing machine and its parts, accessories of sewing machine, common defects and remedies.

3. Anthropometry (body measurements), precaution in taking and recording measurements.

4. Drafting and its importance.

SECTION-B

5. Elements of design such as colour, line, form and texture.

6. Principles for design such as harmony, balance, rhythm, emphasis and proportion.

7. Selection of suitable clothing with reference to income, climate, occasion, occupation and fashion etc. for Infants and toddlers, Adolescents, adults and elderly persons.

REFERENCES BOOKS

1. DurgaDeulkar, 1973: *Household Textiles and Laundry Work,* Atma Ram and Sons. New Delhi.

2. Farmer Bedrich, 1982: *Batik and Ikat,* Cutter Worth London.

3. Gooch Peter M., 1974: *Ideas for Fabric Printing and dyeing*, Charles fribners, New York.

4. Grayson Marlin, 1984: *Encyclopedia of Textiles,* Fibres and Non woolen fabrics, John wiley New York.

5. Irabel S. Wingate, 1970: *Textiles Fabric and their Selection,* Prentice Hall Englewood Cliffs.

Home Science-III (601323) (PRACTICAL)

Semester-III   L T P

Credit- 2   0 0 4

1.   Testing of cotton, wool and silk by microscopic and burning.

2.   Stain removal-Rust, coffee, pan, paint, dye, nail polish, lipstick, perfume, blood, medicine, boot polish turmeric and tea.

3.   Spot cleaning of any one woollen garment.

4.   Simple household dyeing of a cotton fabric of size 12" X 12" and preparing samples of various methods of tie and dye.

5.   Prepare one article of Tie and Dye/Batik.

6.   Prepare a wall hanging of tie and dye.

7.   Laundering and finishing of following garments:

   a)   Cotton-blouse, salwar, kameez.

   b)   Synthetic- Terry cot, knicker, gathered frock, pleated skirt.

   c)   Silk- blouse, sari.

   d)   Woollen cardigan or pullover.

REFERENCES BOOKS

   1. DurgaDeulkar, 1973: *Household Textiles and Laundry Work,* Atma Ram and Sons. New Delhi.

   2. Gooch Peter M., 1974: *Ideas for Fabric Printing and dyeing*, Charles fribners, New York.

   3. Grayson Marlin, 1984: *Encyclopedia of Textiles,* Fibres and Non woolen fabrics, John wiley New York.

   4. Irabel S. Wingate, 1970: *Textiles Fabric and their Selection,* Prentice Hall Englewood Cliffs.

ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ– **IV** (A601401)

Semester-IV   L T P
Credit:- 5   5 0 0

ਉਦੇਸ਼:-
➢ ਪੰਜਾਬੀ ਨਾਵਲ ਅਤੇ ਨਾਵਲੈਟ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।
➢ ਗੁਰਮੁਖੀ ਲਿੱਪੀ ਤੇ ਵਿਆਕਰਨ ਦੇ ਤੱਤਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

ਭਾਗ-ੳ

1. **ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ: ਏਹੋ ਹਮਾਰਾ ਜੀਵਣਾ (ਨਾਵਲ)।**
   ➢ ਇਸ ਭਾਗ ਵਿੱਚ ਪੁਸਤਕ ਵਿੱਚੋਂ ਪਹਿਲਾ ਪ੍ਰਸ਼ਨ ਸਾਰ ਅਤੇ ਵਿਸ਼ਾ ਵਸਤੂ ਨਾਲ ਸਬੰਧਿਤ ਹੋਵੇਗਾ ਜਿਸ ਦੇ ਦਸ ਅੰਕ ਹੋਣਗੇ।
   ➢ ਦੂਸਰੇ ਹਿੱਸੇ ਵਿਚ ਕੋਈ ਤਿੰਨ ਪਾਤਰ ਦੇ ਕੇ ਦੋ ਦੀ ਉਸਾਰੀ ਕਰਨ ਨੂੰ ਕਿਹਾ ਜਾਵੇਗਾ ਇਸ ਦੇ 5+5=10 ਅੰਕ ਹੋਣਗੇ।   20 ਅੰਕ

ਭਾਗ-ਅ

2. ਪੈਰਾ ਪੜ੍ਹ ਕੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਦੇਣੇ।   5 ਅੰਕ
3. ਸੂਚਨਾ ਤਕਨਾਲੋਜੀ ਨਾਲ ਸਬੰਧਿਤ ਤਕਨੀਕੀ ਸ਼ਬਦਾਵਲੀ।   5 ਅੰਕ
4. ਕੰਪਿਊਟਰ, ਇੰਟਰਨੈੱਟ, ਸੂਚਨਾ ਤਕਨਾਲੋਜੀ ਨਾਲ ਸਬੰਧਿਤ ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ ਅਤੇ ਮਹੱਤਤਾ ਬਾਰੇ ਲੇਖ ਲਿਖਣਾ।   10 ਅੰਕ

ਭਾਗ-ੲ

5. **ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਸੁਰ ਪ੍ਰਬੰਧ**   5 ਅੰਕ

6. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਉਪ-ਵਾਕ ਜੁਗਤ   5 ਅੰਕ

ਪੁਸਤਕ ਸੂਚੀ:
• ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ, ਏਹੋ ਹਮਾਰਾ ਜੀਵਣਾ, ਲੋਕ ਗੀਤ ਪ੍ਰਕਾਸ਼ਨ, ਚੰਡੀਗੜ੍ਹ 1971
• ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰ, ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾ ਅਤੇ ਵੇਦ ਅਗਨੀਹੋਤਰੀ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ (ਭਾਗ-ਦੂਜਾ),ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ।

COMMUNICATION SKILLS -IV(B601403)

Semester-IV   L T P
Credit:- 5   5 0 0
Course Outcomes:
The students of Communication Skills Course will be able to:
CO1: **CO1**: Develop an enhancement of the four basic skills of language –reading, writing, speaking and listening.
CO2: Handle a range of situations pertaining to daily life.
CO3: Understand the English language and have increased potential to communicate with accurate grammar and appropriate vocabulary.
CO4: Have competency in fields where oral skill is a requisite.
CO5: Have proficiency in writing skills at diverse levels of composition.

Course Contents:

Each Course will have four sections for UG/Diploma Programs

Unit I

1. Charles Dickens: *Oliver Twist*

Unit II

2. Texts Prescribed for Grammar
 Oxford Practice Grammar by John Eastwood (Exercises 104 to 136)

Unit III

3. Reading Skills
   o Comprehension of Unseen Passage (Poetry and Prose)

Unit IV

4. Vocabulary:

 Synonyms
  Proverb

Recommended Books:

i) The Student's Companion by **Wilfred D. Best.**
ii)   ii) Oxford Practice Grammar (With Answers) by John Eastwood. Second Edition, OUP,   2004.

Reference Books:

1. *Oliver Twist*; or, the Parish Boy's Progress is Charles Dickens's second novel, and was *published* as a serial from 1837 to 1839 and

2. Unseen Passages English, Paperback, Prashant Gupta

Website/Links/Online Portal/ICT

    i)   twist/oclc https://www.worldcat.org/title/oliver /959213
    ii)   https://www.englishpage.com/grammar/

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Literary Masterpieces: From Elizabethan To Romantic Period (A601404)

Semester-IV   L T P

Credit:- 5   5 0 0

Course Outcomes:

The students of Literature will be able to:

- To introduce the students to the literary masterpieces,
- To enrich their background of literature and awareness of the creative experience.
- To enable the learners to write on themes, important ideas and essential questions

SECTION A

William Shakespeare**:** Merry Wives of Windsor

SECTION B

Wordsworth: The Prelude book 1

SECTION C

Christopher Marlowe: The Jew of Malta

SECTION D

Vindication of the Rights of Women : Mary Wollstonecraft

Recommended Books:

William Wordsworth , The Prelude. Penguin.

A Vindication of the Rights of Woman (Penguin Classics) Paperback – 28 October 2004

Reference Books:

                   i. E.M. Forster: Aspects of the Novel
                  ii. Delhi A Penguin Book: Fiction Penguin original

Website/Links/Online Portal/ICT

Complete text of 1850 Version of *The Prelude* at Bartleby.com

- *The Merry Wives of Windsor*
- *The Merry Wives of Windsor* at Project Gutenberg
- *The Merry Wives of Windsor* – Searchable, scene-indexed version of the play.

ਚੋਣਵੀਂ ਪੰਜਾਬੀ- IV (B601405)

Semester-IV

Credit:- 5

L T P

5 0 0

ਹਦਾਇਤਾਂ:-

ਭਾਗ-ੳ ਵਿੱਚੋਂ ਦਸ-ਦਸ ਅੰਕ ਦੇ ਦੋ ਸਵਾਲ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। ਪਹਿਲਾ ਸਵਾਲ ਸਾਰ ਜਾਂ ਵਿਸ਼ਾ ਵਸਤੂ ਦਾ ਹੋਵੇਗਾ। ਸਾਰ ਜਾਂ ਵਿਸ਼ੇ ਵਸਤੂ ਸਬੰਧੀ ਦੋ ਵਿੱਚੋਂ ਕੋਈ ਇੱਕ ਸਵਾਲ ਕਰਨਾ ਹੋਵੇਗਾ। ਭਾਗ ਅ ਵਿਚ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨਾਲ ਸਬੰਧਿਤ ਕੋਈ ਪੰਜ ਵਿੱਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹੋਣਗੇ ਹਰੇਕ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ। ਭਾਗ ੲ ਵਿੱਚ ਪੰਜ ਵਿੱਚੋਂ ਕੋਈ ਤਿੰਨ ਸੰਕਲਪਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰਨੀ ਹੋਵੇਗੀ ਹਰੇਕ ਦੇ ਤਿੰਨ ਅੰਕ ਹੋਣਗੇ।

ਭਾਗ-ੳ

1. **ਜੰਗਲ ਦੇ ਸ਼ੇਰ (ਨਾਵਲ) ਜਸਵੰਤ ਸਿੰਘ ਕੰਵਲ**

ਭਾਗ-ਅ

2. **ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1850-1947)**

ਭਾਗ-ੲ

3. ਸਾਹਿਤ ਦੇ ਰੂਪ (ਨਿਬੰਧ, ਸਫਰਨਾਮਾ, ਜੀਵਨੀ, ਸਵੈ-ਜੀਵਨੀ, ਰੇਖਾ-ਚਿੱਤਰ, ਡਾਇਰੀ, ਚਿੱਠੀਆਂ)।

ਪੁਸਤਕ ਸੂਚੀ :

- ਜਗਬੀਰ ਸਿੰਘ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(ਆਦਿ ਕਾਲ ਤੇ ਭਗਤੀ ਕਾਲ) ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।

- ਪਰਮਿੰਦਰ ਸਿੰਘ, ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ ਅਤੇ ਗੋਬਿੰਦ ਸਿੰਘ ਲਾਂਬਾ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ ਲੁਧਿਆਣਾ।

- ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਸਮੀਖਿਆ ਪ੍ਰਣਾਲੀਆਂ, ਪੰਜਾਬ ਸਟੇਟ ਟੈਕਸਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ।

Hindi Literature-IV (A601406)

Semester-IV   L T P

Credit:- 5   ikB~;dze ds mn~ns'';

1&fo|kfFkZ;ksa dks fgUnh ukVd dk Kku djokuk

2&ikWap ,adkdh ds ek/;e ls ekuo dh ifjfLFkfr;ksa ls ifjfpr djokuk

3&fgUnh O;kdj.k dh tkudkjh nsuk

4&fo|kfFkZ;ksa dh fgUnh lkfgR; esa #fp iSnk djuk

funsZ'k %

1 &iz''u i= ds dqy rhu Hkkx gksaxs A

2&Hkkx d esa ls IkkWap iz''u iwNs tk,Waxs AlHkh iz''uksa ds mRrj nsuk vfuok;Z

   gksxk A   dqy vad 10

3&f}rh; Hkkx [k esa ls N% iz''u iwNs tk,Waxs Aftuesa ls fdUgha pkj iz''uksa

   ds mRrj nsus gksaxs A   dqy vad 20

4&r`rh; Hkkx x esa ls rhu iz''u iwNs tk,Waxs A ftuesa ls fdUgha nks iz''uksa

ds mRrj nsus gksaxs A   dqy vad 20

                  Hkkx d
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3&1&Hkk'kk&ifjHkk'kk]izo`fr]vko'';drk]vfHkky{k.kk
              Hkkx ?k
4&1&fgUnh lkfgR; dk bfrgkl %jhfr dky &ifjfLFkfr;kWa]izo`fr;kWa]izeq[k
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2&fgUnh O;dj.k

3&fgUnh lkfgR; dk bfrgkl %dqlqe oekZ

4&jk'V~jHkk'kk vkSj fgUnh %jktsUnz eksgu HkVukxj]dsO fgO laLFkku]vkxjk

History-IV (601407)

Semester-IV   L T P
Credit:- 5   5 0 0

Paper-I: History of Punjab, (1469-1799)

Objectives:
1. To enhance the Knowledge of the learner about the History of Punjab.
2. Understand the various concepts in the Gurus Period.
3. To provide information regarding Political, Social & Religious issues of during period.

SECTION-A
1. Main Sources of Punjab History.
2. Guru Nanak Dev: His Teachings; Evaluation of Sikhism 1539-1606 (from Guru Angad to Guru Arjun Dev Ji)

SECTION-B

3. Transformation of Sikhism from Guru Hargobind to Guru Tegh-Bahadur.
4. Guru Gobind Singh: Creation of the Khalsa and its Significance.

SECTION-C
5. Relations of Sikh Gurus with Mughals, 1605-1708.
6. Banda Bahadur and establishment of Independent rule of the Sikhs; causes of his ultimate failure.

SECTION-D
7. Sikh Struggle against the Mughals during the periods of Abdus Samad Khan, Zakariya Khan, Mir Mannu and Adina Beg.
8. **Maps:**
a) Battle of Guru Gobind Singh.   b) Military exploits of Banda Bahadur.
c) Important places connected with the Sikh Gurus in the Punjab.

Books Suggested:

1. Banerjee, Indu Bhushan : Evaluation of the Khalsa, Vol. I & II (English & Punjabi)
2. Narang, Gokal Chand : Transformation of Sikhism
3. J.S. Grewal : New Cabridge History of India; The Sikhs of the Punjab
4. Cunningham, J.D. : A History of the Sikhs (English)
5. Joginder Singh & Prithipal Singh Kapoor : Punjab da Itihas (Punjabi)
6. Bhagat Singh : Pujab da Itihas (Punjabi), PP. 34-506
7. Arora, A.C. : Punjab d Itihas (Punjabi & Hindi)
8. Gurcharan Singh & Gandhi S.S. : History of the Punjab (Punjabi & Hindi)
9. Khushwant Singh : History of the Sikhs, Vol. I
10. Arora, A.C. : Atlas of the Punjab History (English, Punjabi & Hindi), PP 2-26
11. Nanda, B.S. : Sikh Sampardaya (Punjabi)
12. Dhillon, D.S. : Sikhism: Origin and Development
13. Dhillon, D.S. and Bhullar, S.S. : The Battles of Guru Gobind Singh
14. Verma, D.K. : Guru Gobind Singh on Canvas of History (English).

Linear Algebra (610401)

Semester-IV   L T P
Credit-3   3 0 0

Section A

Vector spaces over a field, subspaces, Sum and direct sum of subspaces, Linear span, Linear dependence and independence, Basis, Finite dimensional spaces, Existence theorem for bases in the finite dimensional case, Invariance of the number of vectors in a basis, dimension, Existence of complementary subspace of any subspace of a finite-dimensional vector space, Dimensions of sums of subspaces, Quotient space and its dimension, Matrices and linear transformations, change of basis and similarity. Algebra of linear transformations, The rank-nullity theorem, Change of basis, Dual space. Bidual space and natural isomorphism, Adjoints of linear transformations, Eigenvalues and eigenvectors, Determinants, characteristic and minimal polynomials, Cayley-Hamilton Theorem.

Section B

Annihilators, Diagonalization and Triangularization of operators, Invariant subspaces and decomposition of operators, Canonical forms. Inner product spaces, Cauchy-Schwartz inequality, Orthogonal vectors and orthogonal complements, Orthonormal sets and bases, Bessel's inequality, GramSchmidt orthogonalization method, Hermitian, Self-Adjoint, Unitary, and Orthogonal transformation for complex and real spaces, Bilinear and Quadratic forms, The Spectral Theorem, The structure of orthogonal transformations in real Euclidean spaces, Applications to linear differential equations with constant coefficients.

Recommended Books :

1. Birkhoff G., and S. Mac Lane, : A Survey of Modern Algebra, 4th ed.
2. Friedberg, Insel, and Spence, : Linear Algebra
3. Halmos, : Finite Dimensional Vector Spaces.
4. Herstein, I. N., : Topics in Algebra
5. Hoffman and Kunze, : Linear Algebra
6. Kumaresan, S., : Linear Algebra, A Geometric Approach. 75. Kuroah, A., Higher Algebra. 76. Lewis, Matrix Theory.
7. Mac Lane, S., and G. Birkhoff, : Algebra

Analysis-II (610402)

Semester-IV   L T P
Credit-3   3 0 0

SECTION-A

Partial differential equations, Formation of partial differential equations, Types of solutions, PDEs of the first order, Lagrange's solution, Some special types of equations which can be solved easily by methods other than the general methods.

Partial differential equations of second and higher order, Classification of linear partial differential equations of second order, Homogeneous and non-homogeneous equations with constant coefficients, Partial differential equations reducible to equations with constant coefficients.

SECTION B

Derivatives, Rolle's theorem, Mean Value Theorem, Darboux's theorem on intermediate value property of derivatives, Taylor's theorem. Indeterminate forms.

Integration, The Riemann Integral and its properties. Integrability of continuous and monotonic functions. Functions of bounded variation, their relation with monotonic functions and integrability.

Convergence of improper integrals. Beta and Gamma functions. Frullani's integral. Integral as a function of a parameter and its continuity, differentiability and integrability.

REFERENCES

1. Apoetol, T., *Mathematical Analysis.*
2. Bolza, Oskar, *Lectures on the Calculus of Variations,* Dover.
3. Courant, R., and F. John, *Introduction to Calculus and Analysis, Volume I.*
4. 33. Courant, R_, and F. John, *Introduction to Calculus and Analysis, Volume II.*
5. Goldberg, *Methods of Real Analysis.*
6. Gupta, A. S., *Calculus of Variations,* Prentice Hall of India, New Delhi
7. Miller, F. H., *Partial Differential Equations,* John Wiley and Sons.
8. Shanti Narayan. S *Course of Mathematical Analysis*, S.Chand & Co., New Delhi
9. R.V. Churchill & J.W. Brown, *Complex Variables and Applications*, 5th Edition, McGraw Hill, New York, 1990.
10. 5..Shanti Narayan, *Theory of Functions of a Complex Variable*, S. Chand & Co., New Delhi

Mechanics –II (610403)

Semester-IV   L T P
Credit-3   3 0 0

Section - A

Dynamics: Motion of a particle with constant acceleration , acceleration of falling bodies, motion under gravity, motion of a body projected vertically upward, motion of a two particles connected by a string, motion along a smooth inclined plane, constrained motion along a smooth inclined plane. Variable acceleration: Simple harmonic motion, elastic string. curvilinear in a plane, Definition of velocity and acceleration , Projectile, motion in a circle, motion under constraints, central force motion.

Section - B

Work, Power , conservative fields and potential energy, work done against gravity, potential energy of a gravitational field.

Relative motion, relative displacement, velocity and acceleration, motion relative to a rotating frame of reference. Linear momentum, angular momentum, conservation of angular momentum, impulsive forces, principle of impulse and momentum, motion with respect to centre of mass of a system of particles, collisions of elastic bodies, loss of energy during impact. Free vibration, the simple pendulum, the conical pendulum. Central Orbit. Kepler's laws of motion.

Books recommended:
1. S.L. Loney: The elements of statics and dynamics, 5th edition, Cambridge University Press, 1947.
2. Synge and Griffth : Principles of mechanics.
3. Chakraborty, J. G., and Ghosh, P. R., Advanced Analytical Dynamics
4. Chorltan, F., Textbook of Dynamics.
5. Loney, S. L., Dynamics
6. Maity, S. R., and Maity, A., Dynamics of a Particle

Political Science-IV (A601409)

Semester-IV   L T P
Credit-5   5 0 0
Paper-Indian Political System
Instructions for Examiner/Candidates: The question paper shall have 14 questions. Section A will be of five questions having consist 2 marks each. Section B will consist of six

questions and candidate has to attempt any 4 questions which will be of 5 marks each. Section C will be of three questions each question will carry 10 marks each and candidate has to be attempt any two questions.

CO1:Student understands the functioning of main political parties operating in the system.
CO2: Student focused on analytical perspectives on party politics in India.

CO3: To know the background of different regional political parties functioning in India.
CO4: To enhance the knowledge of the learner about political structure.
CO5: Students know the working of interstate council.

Unit I
1. Indian Cabinet: Prime Minister, Appointment, Powers, Position and Changing Role.
2. Supreme Court: Composition, Powers and role in the Indian Constitutional Process
   Unit II
3. Nature of Party System in India: A critical evaluation.
4. National Political Parties (Indian National Congress and BJP): their Organization, Ideology and electoral performance
5. Pressure Groups in Indian Politics and their role.
   Unit III
   6. Role of Religion in Indian Politics.
   7. Caste and Regionalism in Indian Politics.
    Unit IV
   8. The Election Commission: Composition, Powers and Role.
   9. Electoral Reforms inIndia
   10. Determinants of voting behavior in India.
   Text Books:
   i)Assembly, Constituent. "Constitution of India." Ministry of Law and Justice, editor.
   New Delhi, India: Ministry of Law and Justice, India (1949).
   ii)Bose, Durgadas, ed. Commentary on the Constitution of India... Vol. 1. SC Sarkar, 1955.
   iii)Joshi, GulabbhaiNaranji. The Constitution of India. Delhi: Macmillan Company of India, 1975.
   iv)Ghosh, Pratap Kumar. *The Constitution of India: How it Has Been Framed*. PrabhatPrakashan, 1966.
   v)Puneeth, P. &_V. N. Shukla Constitution of India (2008).

   Reference Books:

1.   G. Austin   The Indian Constitution : Corner Stone of a Nation, Oxford,
                         Oxford University Press, 1966
2.   G. Austin   Working of a Democratic Constitution : The Indian Experience,
                         Delhi, Oxford University Press, 2000
3.   D.D. Basu   An Introduction to the Constitution of India, New Delhi,
      Prentice

                         Hall, 1994
4.   C.P. Bhambari   The Indian State fifty years, New Delhi, Sipra, 1997
5.   P.Brass   Politics of India since Independence, Cambridge University
      Press,

                         2003
6.   P. Brass   Ethnic Groups and the State, London, Croom Helm, 1995
7.   P. Brass   Language, Religion and Politics in North India, London,
                         Cambridge University Press, 1974
8.   B.L. Fadia   State Politics in India, Vol. II, New Delhi, Radint Publisher,
      1984
9.   F.R. Frankel   Indian Political Economy 1947-1977, The Gradual Revolution,
                         Oxford, Oxford University Press, 1978
10.   R. Kothari   State against Democracy : In Search of Human Governance,
      Delhi,

                         Ajantha, 1988
11.   R. Kothari   Politics in India, New Delhi, Orient Longman, 1970
12.   R. Kothari   Party System and Election Studies, Bombay, Asia Publishing
                         House, 1967
13.   Iqbal Narain (ed) State Politics in India, Meerut, MeenakshiParkashan, 1967
14.   M.V. Pylee   Constituional Government in India, Bombay, Asia Publishing
                         House, 1977
15.   M.V. Pylee   An Introduction to the Constitution of India, New Delhi, Vikas
                         1998
16.   S.P. Verma and
      C.P. Bhambari (ed) Election and Political Consciousness in India, Meerut,
      Meenakshi

                         Parkashan, 1967
17.   S.S. Nanda   Indian Political System (English, Hindi and Punjabi)
18.   S.S. Nanda   National Movement 1885-1947 (English,Punjabi and Hindi)
19.   N.K. Jha   India's Foreign Policy in Emerging World, Sonic Asian
                         Publications,   New Delhi, 2000
20.   M.S. Rajan   Non-Alignment and Non-Alignment Movement in the present
                         World, Order, Konark, Delhi, 1994
21.   Rajni Kothari (ed.) Caste in Indian Politics, New Delhi, Orient Longman, Reprint,
                         2004.
    Website/Links/Online Portal/ICT

i) Indian Cabinet- https://youtu.be/qUgIY4IHhn4
ii) Supreme Court: -https://youtu.be/Y-UAGV4rHbQ
iii) Nature of Party System in India- https://youtu.be/37cCmd4Yae8
iv) National Political Party Indian National Congress and Party BJP - https://youtu.be/yxL801z7ZBQ
v) Pressure Groups in Indian Politics
vi) Role of Religion Caste and Regionalism in Indian Politics https://youtu.be/ILp2S11ScUw
vii) The Election Commission -https://youtu.be/nRLxBQfnZOU
viii) Determinants of voting behavior in India. https://youtu.be/WQJy0grug5A
ix) Foreign policy of India and its determinants. https://youtu.be/bpQRDdeSbEE

Management Information System (300403)

Credits 5   **L   T   P**

                                                                                          4   1   0

Introduction to Systems and Basic Systems Concepts, Types of Systems, The Systems Approach,

Information Systems: Definition & Characteristics, Types of Information, Role of Information in

Decision , Making, Sub , Systems of an Information system: EDP and MIS, management levels,

EDP/MIS/DSS.

An overview of Management Information System: Definition & Characteristics, Components of MIS,

Frame Work for Understanding MIS: Robert Anthony's Hierarchy of Management Activity, Information

requirements & Levels of Management, Simon's Model of decision, Making, Structured Vs Unstructured decisions, Formal Vs. Informal systems.

Developing Information Systems: Analysis & Design of Information Systems: Implementation &Evaluation, Pitfalls in MIS Development.

Functional MIS: A Study of Marketing, Personnel, Financial and Production MIS.

References:

1. J. Kanter, "**Management /information Systems**", PHI.
2. Gordon B. Davis & M.H. Olson, "**Management Information Systems** : Conceptual Foundation,structure & Development".
3. Robert G. Murdick & Joel E. Ross & James R. Claggett, "**Information Systems for Modern Management**" PHI.
4. Lucas, "**Analysis, Design & Implementation of Information System**

Physical Education-IV (601412)

Semester-IV   L T P
Credit-3   3 0 0

Theory   (60 M)
1. **Digestive system: -** Structure and function of different organs of digestive system and mechanism of digestion.
2. **Respiratory system:** Structure and function of different organs of Respiratory system, mechanism of respiration (Internal & External).
3. **Excretory System:** Structure and function of kidney and skin.
4. **Endocrine System: -** Structure, Function and location of Pituitary, Thyroid and Adrenal glands.
5. **Communicable Diseases: -** Classification, mode of transmission, presentation and control of malaria tuberculosis, hepatitis A, B, tetanus, Typhoid, rabies and Aids.
6. **Yoga: -** Meaning, aim, importance and types of yoga.
7. **Asanas: -** Importance, practicing meditative pose-padma,vagra, such asana Culture poses:- halasanas, sarvangasana, bhujayasana, salbhasana, dhanurasanas and chakarasana.
8. **Effect of yoga on body:-** Effect of yoga on different system of body.
9. **Pranayam: -** Meaning, objective, importance physiological value and types.
10. **Sudhi Kirya: -** Meaning, Objective, Physiological values and types.
11. **Conditioning: -** Meaning, objective, importance and principal.
12. **Relaxation: -** Meaning, importance and techniques of relaxation progressive muscle relaxation, breathing exercise, yoga nidra and transcendental meditation.

Reference:

Kang G. S. Deol N. S. – An introduction to Helth and Physical Education 21st century Patiala 2008.
Yoga Hygiene, simplified by the Yoga institute, Santa Cruz, Bombay, shri Yogendra1980.
Swami Siranander: The Science of Paranayama, 1978, Published by the Divine life society P. O. Shivananda Nagar. Distt. Tehri Garhgwal. U. P. Himalayas Ind.
Facts about by Shri Yogendra,1975, Kuvalaya Dhama, Lonavala Bombay.
Bucher Olsen and Willgoose: The Foundation of Health, Prentice Hall inc. Englewood fliffs, New Jersey,1976.
G. S. Kang: Anatomy, Physilogy and Health Education, Published by Publication Bureau, Punjabi University, Patiala.
Ajmer Singh and Jagtar Singh Gill: Essentail of Physical education and Olympic movement Kalyani Publishers, Ludhiana.2004.

Physical Education-IV (601417)

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Semester-IV   L T P
Credit-2   0 0 4

Practical (40 M)
  Relay and Hurdle   8M (Any One Race)
  Pole Vault   8M (Any One Race)
  Hummer Throw   8M (Any One Race)
  Judo, Ball Badminton, Volleyball   16M (Any One Game)

Evaluation will be based on skill test, performance &viva voce.
Contents to be covered during the practical sessions:
- Measurement of the field and preparation of the field
- Equipments and Materials of the game/ Event.
- Fundamental skill and lead up game.
- Techniques.
- Rules and Regulations of the game/ Event.
- Officiating:
    Duties of officials
    Knowledge of score sheet
    Signals of officiating
    Technical equipment for officiating

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Economics-IV(A601413)

Semester-IV   L T P

Credit-5   5 0 0

Paper: Public Finance and International Economics

Course Objective:

Public Finance and International Economics is concerned with the analysis of economic phenomena from the perspective of the individual. The course covers the basic concepts and tools needed to undertake the analysis of such problems that arise due to the law of scarcity. The course also aims at introduction of the functioning of competitive and noncompetitive product markets and performance of the markets for resources. The students are expected to develop rudimentary understanding of how and why consumers, firms, and markets in the economy function the way they do.

SECTION –A

Public Finance: Nature, Scope and its importance. Public Expenditure: Meaning, Principles, Importance, Effects of Public Expenditure on production and distribution

SECTION –B

Taxation: Meaning, Classification and Characteristics of a good tax system, Canons of Taxation. Public Debt: Meaning, types and role, Burden and methods of redemption of public debt. Deficit Financing: Objectives and limitations

SECTION – C

Introduction to International Trade, Classical and Modern Theory of International Trade, Terms of Trade: concept and measurement.
Balance of payments: Meaning and components of balance of payments, Equilibrium and disequilibrium in balance of payments, Methods for correcting adverse balance of payments.
Exchange Rate: Meaning and determination, Fixed and Flexible Exchange Rates.

SECTION – D

SAARC: Origin and growth of India's trade with SAARC.

IMF and IBRD: Objectives, working and achievements, World Bank.

Recommended Readings:

1. A.R. Musgrave and P.B. Musgrave: Public finance in Theory and Practice, McGraw Hill,

International Student's Edition, 1976.

2. C.P. Kindleberger : International Economics, Richard Irwin Homeswood Ilinios, Indian Edition, 1977.

3. BoSoderston : International Economics, Macmillan Press Ltd. 1990.

Supplementary Readings :

1. H.Dalton: Principles of Public Finance, London, Routeledge and Kegan Paul, 1936.

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Sociology-IV (601414)

Semester-IV   L T P

Credit-5   5 0 0

Paper- Social Change and Development

Objectives:
- To understand the concept of social change.
- To understand social stratification.
- To understand the concept of development and development policies.

Section-A
1. Social change: Meaning, definition, features
2. Types of social change: Evolution, Revolution Progress and Development (concept and feature).

Section-B
3. Process of social change: Features of Industrialization, Modrenization, Globalization, Westernization.

Section-C
4. Social stratification: Concept and bases of power, gender.
5. Changing patterns of class and caste.

Section-D
6. Development programmes in India: Five year plans, Community Development Programme (CDP), Panchayati Raj and its impact on women empowerment.

Books Recommended:
- Desai, A.R.1985 India's path of development: A Marxist approach. Bombay, Popular Prakashan.
- Dube, S C. 1998 Modernization and development. Vistaar Publisher, New Delhi.
- Giddens, A. 1990 The consequences of modernity. Polity press, Cambridge.
- Moor, W. and Robert, C. 1967 Social change. Prentice Hall, New Delhi
- Sharma, S L. 1986 Development: Socio-cultural development. Rawat Publications, Jaipur.
- Singh Sukhdev 1997 *Pendu Samaaj ate Pendu Vikas*. Publication Bureau, Punjabi University, Patiala.

- Srinivas, M.N.1966 Social change in modern India. University of Berkley, Berkley.

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Music (Vocal)-IV A601415

Semester-IV   L T P
Credit-3   3 0 0

Section A

1. Historical development of Indian music during 14th to17th century with special reference to Akbar period.

2. Contributions and life sketches of following Musicians:

a) Bade Gulam ALI Khan b) Pt. Bhim Sain Joshi

Section B

1. Detailed knowledge of Dhrupad & Dhammar styles of singing.

2. Varities of Tans.

3. Description & notations of the following ragas & talas :

a) Kalawati b) Bhageshwari c) Bhairavi

Section C

1. Taalas: Char taal,   Tilwara

2. Importance of Laya & talas in music.

3. Definitions of music.

Section D

1. Historical development of Indian music Ist to17th century.

a) Matang b) Sharingdev

2. Origin & development of the Thumri gayan shailee.

RECOMMENDED READINGS

1. .Dr.Mrieunjaya Sharma,Dr.Ram Narayan: Sangeet manual; H.G Publications Dehli
2 Dr.Davinder kaur :   Sangeet roop; Sangeetanjali Publications Patiala
3. 4.Dr. Suman Lata: Hindustani Shastri Sangeet Avam Vyavyar; Karnal Publications.
4. Dr.Yaspal Sharma: Gayan Kalan; Punjabi University Patiala.

Music (Vocal)-IV (Practical) A**601416**

Semester-IV   L T P

Credit-2   0 0 4

Performance

1. One Vilambit Khayal in any of the Ragas prescribed in the course with simple Alaps & Tanas.

2. One Drut khayal in each of the following Ragas with simple Alaps & Tanas: Malkauns , Bhageshwari , Bhairavi.

3. Abilty to recite Char- Taal, Tilwara showing khali, tali with hand motion in Ekgun, Dhugan, Layikaries.

4. Abilty to play Kehrva tala on table.

5. Qwali

6. One Shabad in nirdharit Ragas.

Religious Studies-IV (A601418)

Semester-IV   L T P

Credit:- 5 5 0 0

ਧਾਰਮਿਕ ਲਹਿਰਾਂ: ਮੱਧ-ਕਾਲੀਨ ਅਤੇ ਆਧੁਨਿਕ

(Religious Movements: Medieval and Modren

Unit- I

ਭਗਤੀ ਲਹਿਰ

1. ਲਹਿਰ: ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ

2. ਭਗਤੀ ਲਹਿਰ ਦੇ ਪ੍ਰਭਾਵ

3. ਭਗਤ ਕਬੀਰ ਜੀ, ਭਗਤ ਨਾਮਦੇਵ ਜੀ, ਭਗਤ ਰਵਿਦਾਸ ਜੀ: ਜੀਵਨ ਵੇਰਵਾ

Unit- II

ਸੂਫ਼ੀਮਤ

5. ਸੂਫ਼ੀਮਤ: ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ

6. ਸੂਫ਼ੀਮਤ: ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ

7. ਬਾਬਾ ਫ਼ਰੀਦ ਜੀ: ਜੀਵਨ ਤੇ ਸਿੱਖਿਆਵਾਂ

Unit- III

ਪੰਜਾਬ ਦੀਆਂ ਧਾਰਮਿਕ ਲਹਿਰਾਂ

10. ਸੰਤ ਨਿਰੰਕਾਰੀ ਮਿਸ਼ਨ
11. ਚੀਫ਼ ਖ਼ਾਲਸਾ ਦੀਵਾਨ
12. ਸ਼੍ਰੋਮਣੀ ਗੁਰਦੁਆਰਾ ਪ੍ਰਬੰਧਕ ਕਮੇਟੀ

Unit- IV

ਆਧੁਨਿਕ ਭਾਰਤੀ ਧਾਰਮਿਕ ਲਹਿਰਾਂ: ਜਾਣ-ਪਛਾਣ ਅਤੇ ਯੋਗਦਾਨ

13. ਰਾਮ ਕ੍ਰਿਸ਼ਨ ਮਿਸ਼ਨ

14. ਬ੍ਰਹਮੋ ਸਮਾਜ

15. ਆਰੀਆ ਸਮਾਜ

ਸਹਾਇਕ ਪੁਸਤਕਾਂ:

1. **ਉੱਤਰੀ ਭਾਰਤ ਦੀ ਸੰਤ ਪਰੰਪਰਾ**, ਪਰਸ਼ੁਰਾਮ ਚਤੁਰਵੇਦੀ (ਹਿੰਦੀ)

2. **ਗੁਰਦੁਆਰਾ ਸੁਧਾਰ ਲਹਿਰ**, ਗਿ. ਪ੍ਰਤਾਪ ਸਿੰਘ, ਖਾਲਸਾ ਬ੍ਰਦਰਜ਼, ਸ੍ਰੀ ਅੰਮ੍ਰਿਤਸਰ ਸਾਹਿਬ।

3. **ਸ਼ੇਖ ਫਰੀਦ ਤੇ ਰਚਨਾ**, ਡਾ. ਤਾਰਨ ਸਿੰਘ, ਬਲਵੀਰ ਕੌਰ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

4. **ਭਗਤੀ ਅੰਦੋਲਨ ਤੇ ਗੁਰੂ ਨਾਨਕ**, ਡਾ. ਮਨਮੋਹਨ ਸਿੰਘ

5. **Punjab Past and Present** (Special Issue), Dr. Ganda Singh
   1.

Punjab History & Culture (601419)

Semester-IV   L T P

Credit:- 5   5 0 0

Section A

1. Martyrdom of Guru Teg Bahadur Ji: Causes and Impact.
2. Guru Gobind Singh's Relations with the Hill Rajas and Mughals.

Section B

3. Creation of the Khalsa or the Khalsa in Action.
4. Emergence of Dissenting Sikh Sects: Udasis, Minas Ramraias Dhirmalias.

Section C

5. Banda Bahadur and his achievements and its failure.
6. Political struggle of the Sikhs against Zakariaya Khan, Yahiya Khan, Mir Mannu.

Section D

7. Origin and Development of Dal Khalsa, Rakhi system and Gurmata.
8. Sikh-Afgan struggle (1762-65); Causes of Sikh success against the Mughals and Afghans.

Fashion Designing-IV (601420)

Semester-IV   L T P
Credit-3   3 0 0

SECTION-A

1.   Fashion : Its definition
      (i)   Classification of Fashion
      (ii)   Principals of Fashion

2.   Drafting & designing according to fashion.
      (i)   Factors affecting fashion and fashion forecast.

SECTION-B

3.   Theories of clothing origion :
      a.   Protection theory
      b.   Modesty theory
      c.   Self adotment theory
4.   Fashion adaptation theories :
      a.   Trickle down theory
      b.   Trickle across theory
      c.   Trickle up theory

SECTION-C

5.   Factors affecting design application for :
      a.   Various are groups
      b.   Seasons
      c.   Occupation
      d.   Occasions

6.   Colour scheme and effect of colour on different bodies.
      a.   Different types of personalities.
      b.   Sking Colour, Hair & Eyes Colour
      c.   Size of the body.

SECTION-D
7.   Traditional costumes of India :
      a.   Punjab
      b.   Rajasthan
      c.   Himachal Pradesh
      d.   Gujrat
      e.   Maharastra
      f.   Madya Pradesh
      g.   Utter Pradesh
      h.   Jammu & Kashmir

BOOKS RECOMMENDED
1.   Dress Designing : Manmeet Sodhia.
2.   Cutting and Stitching Art : Kusum Lata.

Fashion Designing-IV (practical) (601421)

Semester-IV   L T P
Credit-2   0 0 4

1.   **Designing and construction work :**

a.   Children Gargments
Sundress & Petticoat.

b.   Teenager
Salwar Kamiz, Churidar Pyjami, Skirt & Top.

2.   Sketching :

a.   Sketching of different types of dresses on figure.
b.   Detail in study in pencil and colour with light and shade of different types of folds, gathers & shape of fabrics in   dresses.
   c. Illustration of accessories : Bells, Ties, Bows, Umbrellas, Hats etc.

Home Science-IV (601422)

Semester-IV	L T P
Credit- 3	3 0 0

Foods and Nutrition
SECTION A
1. Food: functions of food and classification
2. Essential food constituents: Carbohydrates, Protein, Fats.

3. Recommended daily allowances, deficiency and excess intake of – Vitamins, Minerals, and Water functions in the body. Role of dietary fiber in human nutrition.
4. Principles and methods of cooking. Advantages of cooking of the food. Effect of cooking on different nutrients.- Moist heat - Boiling, stewing, steaming- Dry heat - Roasting grilling baking- Frying - Shallow and deep- Radiation - Solar and microwave
5. Methods of enhancing nutritive value of food stuff.- Importance of enhancing nutritive value of food stuffs.- Method of enhancing nutritive value of food stuffs, Sprouting fermentation combination and supplementation.

SECTION - B
6. Concept of Meal planning, balanced diet
7. Principles of meal planning, factors affecting. Meal planning for- male and female, Pregnant women and lactating mother
8. Introduction to therapeutic Nutrition, therapeutic adaptation of the normal diet soft and fluid diet, planning of diet in- Typhoid fever,Diarrhea.,Constipation, Diabetes, High Blood Pressure, Food Preservation:
9. Food Preservation –Importance, Causes of food spoilage, Principles of food preservation, Methods of food preservation with special emphasis on household methods.

REFERENCES BOOKS
1. DurgaDeulkar, 1973: *Household Textiles and Laundry Work,* Atma Ram and Sons. New Delhi.
2. Farmer Bedrich, 1982: *Batik and Ikat,* Cutter Worth London.
3. Gooch Peter M., 1974: *Ideas for Fabric Printing and dyeing*, Charles fribners, New York.
4. Grayson Marlin, 1984: *Encyclopedia of Textiles,* Fibres and Non woolen fabrics, John wiley New York.
5. Irabel S. Wingate, 1970: *Textiles Fabric and their Selection,* Prentice Hall Englewood Cliffs.

Home Science-IV (601423) (Practical)

Semester-IV		L T P
Credit- 2		0 0 4

Preparation of :
1. Beverages- Tea, Coffee, Milkshake.
2. Cereals-Rice,Chappati,Sandwich,Pastries,Cakes.
3. Vegetables Salad, Curries.

4. Fruit-Fresh and stewed.
5. Milk-Porridge, Curds, paneer.
6. Soups-clear.
7. Meat-cookery/alternative Vegetarian substitutes,
8. Some traditional recipes of Punjab.

Planning and Preparation of meals for:

9. Adolescents boys and girls.
10. Planning and preparation of diets for the patients suffering from: Diabetes and vitamin defficiencies.

ENVIRONMENT STUDIES (A100302)

Semester-V   L T P
Credit- 3   3 0 0

Objective:
Upon successful completion of the course, students should be able to:
1. Measure environmental variables and interpret results

2. Evaluate local, regional and global environmental topics related to resource use and management
3. Propose solutions to environmental problems related to resource use and management
4. Interpret the results of scientific studies of environment al problems
5. Describe threats to global biodiversity, their implications and potential solutions

Unit 1: The Multidisciplinary nature of environmental studies
Definition, scope and importance (2 Lectures)
Need for public awareness.
Unit 2: Natural Resources:
Renewable and non-renewable resources:
Natural resources and associated problems.
a) Forest resources : Use and over-exploitation, deforestation,. Timber extraction, mining, dams and their effects on forests and tribal people.
b) Water resources : Use and over-Utilization of surface and ground water, floods, drought, conflicts and water, dams-benefits and problems.
c) Mineral resources : Use and exploitation, environmental effects of extracting and using mineral resources.
d) Food resources : World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
e) Energy resources : Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. Case studies.
f) Land resources : Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
Unit 3 : Ecosystems
• Concept of an ecosystem.
• Structure and function of an ecosystem.
• Producers, consumers and decomposers.
• Energy flow in the ecosystem.
• Ecological succession.
• Food chains, food webs and ecological pyramids.
 (6 lectures)
Unit 4 : Biodiversity and its conservation
• Introduction – Definition : genetic, species and ecosystem diversity.
• Biogeographical classification of India
• Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values
• Biodiversity at global, National and local levels.
• India as a mega-diversity nation

Unit 5 : Environmental Pollution
Definition

• Causes, effects and control measures of :-

a. Air pollution

b. Water pollution

c. Soil pollution

e. Noise pollution

f. Thermal pollution

g. Nuclear hazards

• ill-effects of fireworks

• Solid waste Management : Causes, effects and control measures of urban and industrial wastes.

• Role of an individual in prevention of pollution.

• Disaster management : floods, earthquake, cyclone and landslides.

(8 lectures)

Unit 6 : Social Issues and the Environment

• From Unsustainable to Sustainable development

• Urban problems related to energy

• Water conservation, rain water harvesting, watershed management

• Resettlement and rahabilitation of people ; its problems and concerns.

• Environmental ethics : Issues and possible solutions.

• Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.

• Wasteland reclamation.

• Consumerism and waste products.

• Environment Protection Act.

• Air (Preventation and Control of Pollution) Act.

• Water (Prevention and control of Pollution) Act

• Wildlife Protection Act

• Forest Conservation Act

• Issues involved in enforcement of environmental legislation.

 (7 lectures)

Unit 7 : Human Population and the Environment

• Population growth, variation among nations.

• Population explosion – Family Welfare Programme.

• Environment and human health.

• Human Rights.

• Value Education.

• HIV / AIDS

• Women and Child Welfare.

Suggested Books:

- Agarwal, K. C. 2001 , "Environment Biology", Nidi Publ. Ltd. Bikaner.
- Jadhav, H & Bhosale, V.M. 1995., "Environment Protection and Laws"., Himalaya Pub House, Delhi 284p.
- Rao M. N. & Datta A.K. 1987., "Waste Water Treatmen",t. Oxford & IBH Publ. Co. Pvt. Ltd. 45p.
- Cunninghan, W.P,"Principle of Environment Science".
- Joseph,"Essentials of Environment Science".
- Rao, C.S,"Environment Pollution Control Engineering".
- Kaushik, A, "Perspectives in Environmental Studies".
- Meenakshi, "Elements of Environment Science & Engineering".
- Duggal , "Element s of Environment Engineering".

Dr. Navmeet Kaur , "PBS Environmental Science

ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ- V (A601501)

Semester-V   L T P

Credit- 5   5 0 0

ਹਦਾਇਤਾਂ:-

ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। ਹਰ ਪ੍ਰਸ਼ਨ ਵਿੱਚ ਚੋਣ ਦਾ ਵਿਕਲਪ ਦਿੱਤਾ ਜਾ ਸਕਦਾ ਹੈ।

ਉਦੇਸ਼:-

➤ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦੇ ਬਾਰੇ ਵਿੱਚ ਜਾਣਕਾਰੀ ਦੇਣਾ।

➤ ਨਾਂਵ ਵਾਕੰਸ਼ ਤੇ ਕਿਰਿਆ ਵਾਕੰਸ਼ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

<div align="center">ਭਾਗ-ੳ</div>

1. ਕਾਵਿ ਕੀਰਤੀ, ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ, ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ ਅੰਮ੍ਰਿਤਸਰ

➤ ਪਹਿਲੇ ਭਾਗ ਵਿੱਚ ਦਸ ਅੰਕਾਂ ਲਈ ਦੋ ਕਾਵਿ ਟੁਕੜੀਆਂ ਦੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ ਕਰਨ ਨੂੰ ਕਿਹਾ ਜਾਵੇਗਾ।

➤ ਦੂਸਰੇ ਭਾਗ ਵਿੱਚ ਕਿਸੇ ਕਵਿਤਾ ਦਾ ਸਾਰ ਜਾਂ ਵਿਸ਼ਾ ਵਸਤੂ ਲਿਖਣ ਨੂੰ ਕਿਹਾ ਗਿਆ ਹੋਵੇਗਾ ਇਸਦੇ ਵੀ ਦਸ ਅੰਕ ਹੋਣਗੇ।   20 ਅੰਕ

<div align="center">ਭਾਗ-ਅ</div>

2. ਅੰਗਰੇਜ਼ੀ ਪੈਰੇ ਤੋਂ ਪੰਜਾਬੀ ਅਨੁਵਾਦ।   5 ਅੰਕ

3. ਹਿੰਦੀ ਪੈਰੇ ਤੋਂ ਪੰਜਾਬੀ ਅਨੁਵਾਦ।   5 ਅੰਕ

4. ਪੰਜਾਬੀ ਦੇ ਇੱਕ ਪੈਰੇ ਦੀ ਸ਼ਬਦ ਜੋੜ ਸੁਧਾਈ, ਲਗਾਂ-ਮਾਤਰਾਵਾਂ ਅਤੇ ਵਾਕ ਸ਼ੁੱਧੀਕਰਨ।

<div align="right">10 ਅੰਕ</div>

<div align="center">ਭਾਗ-ੲ</div>

5. **ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਲਿੰਗ ਅਤੇ ਵਚਨ ਪ੍ਰਬੰਧ**   5 ਅੰਕ

6. **ਪੰਜਾਬੀ ਸ਼ਬਦ ਜੋੜ**   5 ਅੰਕ

ਪੁਸਤਕ ਸੂਚੀ:

- ਕਾਵਿ ਕੀਰਤੀ, ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ, ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ ਅੰਮ੍ਰਿਤਸਰ

- ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ, ਕਾਵਿ ਕੀਰਤੀ, ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ ਅੰਮ੍ਰਿਤਸਰ।

- ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰ, ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾ ਅਤੇ ਵੇਦ ਅਗਨੀਹੋਤਰੀ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ (ਭਾਗ-ਤੀਜਾ),ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ।

<div align="center">**COMMUNICATION SKILLS -V (A601503)**</div>

Semester-V   L T P

Credit- 5   5 0 0

Course Outcomes:

- Improve the vocabulary and writing skills.
- To make an understanding to prose writings.
- Students will be able to make writing assignments on life situations

Course Contents:

Each Course will have four sections for UG/Diploma Programs

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Unit I
The Sunset Club by Khushwant Singh

Unit II

Selected College Poems (Orient Longman). Edited by Ambika Sengupta -The following poems from this book are prescribed:
a) All the World's A stage
b) Kubla Khan
c) Ode to the West Wind
d) La Belle Dame Sans Merci
e) Ulysses
f) My Last Duchess
g) Say Not the Struggle Naught Availeth
h) Nightingales.

Unit III
1. a) Essay Writing
    b) Curriculum Vitae writing

Unit IV

2. Translation of a running passage comprising at least ten sentences from Punjabi/Hindi into English.

Recommended Books:
        a. The Sunset Club ,Penguin Book, 2010
        b. 'The Written Word' by Vandana R. Singh (Oxford University Press, New Delhi, 2003).
    Reference Books:

    i) English Gramar and Compostion edited by Dr. Indibar Mukherjee
    ii) General English by U.R. Mediratta
    iii)'The Written Word' by Vandana R. Singh (Oxford University Press, New Delhi, 2003).

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

English Literature from Victorian to Modern Period (A601504)

Semester-V   L T P

Credit- 5   5 0 0

Course Outcomes:

The students of Literature will be able to:

- To have an understanding of major English literary terms.
- To have comprehensive idea about some periods of English literature.
- To have analytical and critical appreciation of the texts.
- To give own judgments on the basis of some literary theories of the texts.

SECTION - A

Murder in Cathedral: T. S. Eliot

SECTION -B

The Subjugation of Women by J. S. Mill

SECTION-C

Mayer of Casterbridge – Thomas Hardy

SECTION –D

Vanity Fair: William Makepeace Thackeray

1. **Recommended Books:**
2. Princeton Encyclopedia of Poetry and Poetics.
3. A Glossary of Literary Terms by M.H. Abrams Seventh Edition.
   Twentieth Century Reader's Guide to Literary Terms

Reference Books:

1.E.M. Forster: Aspects of the Novel

2.An Outline History of English Literature by W.H. Hudson.

3.Oxford Concise Dictionary of Literary Terms edited by Chris Baldick. (Oxford University Press, 2004) Indian Edition.

        Website/Links/Online Portal/ICT

1938 Reynolds Evans by *Columbia Workshop* (abridged for radio)

ਚੋਣਵੀਂ ਪੰਜਾਬੀ- **V** (**A601505**)

Semester-V   L T P

Credit- 5   5 0 0

ਹਦਾਇਤਾਂ:-

ਭਾਗ-ੳ ਵਿੱਚੋਂ ਦਸ-ਦਸ ਅੰਕ ਦੇ ਦੋ ਸਵਾਲ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। ਪਹਿਲਾ ਸਵਾਲ ਸਾਰ ਜਾਂ ਵਿਸ਼ਾ ਵਸਤੂ ਦਾ ਹੋਵੇਗਾ।ਸਾਰ ਜਾਂ ਵਿਸ਼ੇ ਵਸਤੂ ਸਬੰਧੀ ਦੋ ਵਿੱਚੋਂ ਕੋਈ ਇੱਕ ਸਵਾਲ ਕਰਨਾ ਹੋਵੇਗਾ।ਭਾਗ ਅ ਵਿਚ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨਾਲ ਸਬੰਧਿਤ ਕੋਈ ਪੰਜ ਵਿੱਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹੋਣਗੇ ਹਰੇਕ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ।ਭਾਗ ੲ ਵਿਚ ਪੰਜ ਵਿੱਚੋਂ ਕੋਈ ਤਿੰਨ ਸੰਕਲਪਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰਨੀ ਹੋਵੇਗੀ ਹਰੇਕ ਦੇ ਤਿੰਨ ਅੰਕ ਹੋਣਗੇ।

ਭਾਗ-ੳ

1. ਹੁਸੀਨ ਚਿਹਰੇ (ਰੇਖਾ ਚਿੱਤਰ) ਬਲਵੰਤ ਗਾਰਗੀ।

ਭਾਗ-ਅ

2. **ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ (1947 ਤੋਂ 2000 ਤੱਕ)**

ਭਾਗ-ੲ

3. ਸਾਹਿਤ ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਤੱਤ, ਸਾਹਿਤ ਪ੍ਰਕਿਰਤੀ ਅਤੇ ਪ੍ਰਯੋਜਨ, ਸਾਹਿਤ ਤੇ ਸਮਾਜ, ਸਾਹਿਤ ਤੇ ਸ਼ਖਸੀਅਤ, ਸਾਹਿਤ ਤੇ ਮਨੋਵਿਗਿਆਨ।

ਪੁਸਤਕ ਸੂਚੀ :

- ਜਗਬੀਰ ਸਿੰਘ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(ਆਦਿ ਕਾਲ ਤੇ ਭਗਤੀ ਕਾਲ) ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।

- ਪਰਮਿੰਦਰ ਸਿੰਘ, ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ ਅਤੇ ਗੋਬਿੰਦ ਸਿੰਘ ਲਾਂਬਾ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ ਲੁਧਿਆਣਾ।

- ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਸਮੀਖਿਆ ਪ੍ਰਣਾਲੀਆਂ, ਪੰਜਾਬ ਸਟੇਟ ਟੇਕਸਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ।

Hindi Literature-III (A601506)

Semester-V   L T P

Credit- 5   5 0 0

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University College of Basic Sciences & Humanities (Code:6)
B.A (601)

History-V (601507)

Semester-V	L T P
Credit- 5	5 0 0

Paper: History of the World, (1500-1950)

Objectives:

1. To ensure the knowledge of the learner about History of World.
2. To provide information of Renaissance of Europe.
3. To provide information regarding background of Political revolutions.
4. To understand the causes & effects of Social reforms.

SECTION-A

1. Rise of Modern Age: Renaissance and Reformation.
2. French Revolution of 1789: its causes and effects,
3. Napoleon; His reforms, causes of his downfall.

SECTION-B

4. Congress of Vienna
5. Nationalism
6. Crimean War: Causes and effects.

SECTION-C

7. Industrial Revolution and its effects.
8. The Russian Revolution of 1917-causes and significance.
9. Causes of the First World War and Second World War.

SECTION-D

10. Chinese Revolution of 1949: its causes and effects.
11. **Maps:**
    a) Vienna Congress. b) Unification of Italy c) Europe in 1945.

Books Suggested:

1. Hazen, C.D.   : Modern Europe upto 1945 (English), PP. 39-261, 301-390, 448-591, 639-708.
2) Ketelbey, C.D.M.   :   A History of Modern Times (English), PP. 227-342, 385-408,

    440-505, 545-687.
3) Benns, F.L.   :   European History Since 1870 (English & Punjabi)
4) Benns, F.L.   :   European Since 1914 in its World Setting (English & Punjabi)
5) Carr, E.H.   :   International Relations between the Two World Wars, 1919-

    1939.
6) Ergang, Robert   :   Europe in our Times, PP. 3-24, 87-194, 227-288,

313-349, 465-498.

7) Fay, S.B.	:	The Origins of the World War.
8) Greenwood	:	The Modern World: A History of our Times
9) Arora, A.C. & Arora, R.S.	:	History of the World (Punjabi & Hindi)
10) Sahota, D.S.	:	Europe Da Itihas (Punjabi)
11) Rajinder Singh	:	Europe Da Itihas (Punjabi)
12) Brown and Coysh	:	The Map Approach to Modern History
13) Arora, A.C. & Arora, R.S.	:	Atlas of World History
14) Swain, J.E.	:	History of World Civilization (English & Punjabi)
Wells, H.G.	:	A Short History of the World (English & Punjabi).

Numerical Methods(A610501)

Semester-V   L T P
Credit-3   3 0 0

Course Outcomes :

CO1. Define Basic concepts of operators .

CO2. Solve problems using Newton forward formula and Newton backward formula

CO3. Derive Gauss's formula and Stirling formula using Newton forward formula and

Newton backward formula.

CO4. Derive Simpson's 1/3 ,3/8 rules using trapezoidal rule

CO5. Find the summation of series finite difference techniques

SECTION - A

Solution of algebraic and transcendental equations: Bisection method, False position method, Fixed-point iteration method, Newton's method and its convergence, Chebyshev method. Solution of system of non-linear equations by Iteration and Newton-Raphson method. Program in C for Bisection method, False position method and Newton's method.

SECTION - B

Finite difference operators and finite differences; Interpolation and interpolation formulae: Newton's forward and backward difference, Central difference: Sterling's and Bessel's formula, Lagrange's interpolation formula and Newton's divided difference interpolation formula, Hermite interpolation. Program in C for Newton's forward and backward formula, Newton's divided difference formula.

SECTION - C

Direct methods to solve system of linear equations: Gauss elimination method, Gauss-Jordan method, LU decomposition; Indirect methods: Gauss-Jacobi and Gauss-Seidal methods. The algebraic eigen value problems by Householder and Power method.

SCETION - D

Numerical differentiation and Numerical integration by Newton cotes formulae, Trapezoidal rule, Simpson's rule, Romberg formula and their error estimation. Numerical solution of ordinary differential equations by Euler's method, Picard's method, Taylor series and Runge-Kutta methods.

Text Books

1. B. Bradie, *A Friendly Introduction to Numerical Analysis*, Pearson Education, India, 2007

2. M. K. Jain, S. R. K. Iyengar and R. K. Jain, *Numerical Methods for Scientific and Engineering Computation*, New age International Publisher, India, 5th edition, 2007

Reference Books

1. C. F. Gerald and P. O. Wheatley, *Applied Numerical Analysis*, Pearson Education, India,7th edition, 2008.

2. M. Pal :*Numerical Analysis for scientific and engineering computation*, Narosa Publication

3. N. Ahmad, *Fundamental Numerical Analysis with error estimation*, Anamaya Publication

Website/ Links/ Online portal/ICT

1. https://en.wikipedia.org/wiki/Numerical_analysis
   http://www.scholarpedia.org/article/Numerical_analysis

Co-ordinate Geometry-II (A610502)

Semester-V   L T P
Credit-3   3 0 0

Course Outcomes :

CO1. *Describe the various forms of equation of a plane, straight line, Sphere, Cone and*
Cylinder.

CO2. *Find the angle between planes, Bisector planes, Perpendicular distance from a*
point to a plane, Image of a line on a plane, Intersection of two lines
CO3. *Compute the angle between a line and a plane, length of perpendicular from a*
point to a line
CO4. *Calculate the Shortest distance between two skew lines*
CO5. *Define coplanar lines and illustrate*

Section A

Conic: General equation of a conic, tangents, normals, chord of contact, pole and polar, pair of tangents from a point, equation of chord in terms of mid-point, diameter. Conjugate diameters of ellipse and hyperbola, special properties of parabola, ellipse and hyperbola

Section - B

Conjugate hyperbola, asymptotes of hyperbola, rectangular hyperbola. Identification of conic in general second degree equations. Equation of sphere, Tangent plane, Plane of contact and polar plane, Intersection of two spheres.

Section - C

Radical plane, Coaxial spheres, Conjugate systems, Equation of a cone, Intersection of cone with a plane and a line, Enveloping cone, Right circular cone. Equation of cylinder, Enveloping and right circular cylinders, Equations of central conicoids

Section - D

Tangent plane, Normal, Plane of contact and polar plane, Enveloping cone and enveloping cylinder, Conjugate diameters and diametral planes, Equations of paraboloids and its simple properties.

Text Books

1. S.L. Loney, The Elements of Coordinate Geometry, McMillan and Company, London, 1912.

2. R.J.T. Bill, Elementary Treatise on Coordinate Geometry of Three Dimensions, McMillan India Ltd., 1994.

Reference Books

1. P.K. Jain and Khalil Ahmad: A Text Book of Analytical Geometry of two Dimensions, Wiley Eastern Ltd. 1994.

2. Gorakh Prasad and H. C. Gupta: Text Book on Coordinate Geometry, Pothishala Pvt. Ltd., Allahabad. 2000.

Website/ Links/ Online portal/ICT
   1. https://study.com/geometry_degrees.html
   2. https://www.topuniversities.com/courses/mathematics/guide

Number Theory(A610503)

Semester-V   L T P

Credit-3   3 0 0

Course Outcomes :

CO1. Describe the properties of prime numbers

CO2. express the concepts and results of divisibility of integers effectively

CO3. construct mathematical proofs of theorems and find counter examples for false statements

CO4. understand the logic and methods behind the major proofs in Number Theory

CO5. solve challenging problems related to Chinese remaindetheorem effectively

Section A

Divisibility, Introduction, The Division Algorithm, GCD and LCM, The Euclidean Algorithm, Primes and their properties, Infinitude of primes.

Section B

The Fundamental Theorem of Arithmetic, The Prime Number Theorem (statement only). Congruence - Definition and properties of it, Solutions of Congruence, Euler's phi function.

Section C

Fermat's Theorem, Euler's Theorem, Wilson's Theorem, The Chinese Re-mainder Theorem, Multiplicative property of Euler's phi function, Primitive Roots.

Section D

Quadratic Reciprocity, Quadratic Residues, The Legendre Symbol and its proper-ties, Lemma of Gauss, The Gaussian Reciprocity Law, The Jacobi symbol. Arithmetic functions $\mu(n)$, $d(n)$, $\Phi(n)$, $\sigma_\alpha(n)$, Mobious inversion formula.

Text Books

1. Hardy and Wright W.H., Theory of Numbers, Oxford University Press (1979).
2. Niven I., Zuckerman S.H. and Montgomary L.H., An Introduction to Theory of Numbers, John Wiley and Sons (1991).

Reference Books

1. Davenport H., Higher Arithmetic, Cambridge University Press (1999).
2. David M. Burton, Elementary Number Theory, Wm. C.brown Publishers, Dubuque, Ivova (1989). 5. Johannes A. Buchmann, Introduction to Cryptography, Springer Verlag (2001).
3. Burton, David M., *Elementary Number Theory,* 1989.
4. Hardy, G. H., and Wright, E. M., *An Introduction to the Theory of Numbers,* 5th Edition, Clarendon Press(Oxford), 1979.
5. Niven, I., ZucJcerman, H. S., and Montgomery, H. L, *An Introduction to the Theory of Numbers,* 5th Edition, John Wiley and Sons., Inc.

Website/ Links/ Online portal/ICT

1. https://en.wikipedia.org/wiki/Number_theory
2. https://www.britannica.com/science/number-theory

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Political Science-V (B601509)

Semester-V   L T P
Credit-5   5 0 0
Comparative Politics

Instructions for Examiner/Candidates: The question paper shall have 14 questions. Section A will be of five questions having consist 2 marks each. Section B will consist of six questions and candidate has to attempt any 4 questions which will be of 5 marks each. Section C will be of three questions each question will carry 10 marks each and candidate has to be attempt any two questions.

CO1: To enhance the knowledge of the learner about political structure.

CO2: Students enables to make a reflective thinking between different organs of the government. CO3: To provide information regarding political issues of our times.

CO4: This course enable students to the comparative study of politics and governmental institutions especially that of USA, UK China and Japan.

CO5: Students know different politics parties and pressure groups in the USA, UK, China, and Japan.

   Unit I
 1. Comparative Politics: Meaning, Significance, Evolution, Nature and Content.
 2. Comparative Method: Problems of comparative political analysis.
   Unit II
 3. Main features of the British PoliticalSystem, British Political Traditions, and Monarchy.
 4. Features of U.S. Political system
 5. Executive in America-The President.
   Unit III
 6. British Parliament-House of Lords, House of Commons, American Congress- Senate, House of Representative.
 7. Political Parties U.K. and U.S.A.
   Unit IV
 8. Pressure Groups – U.K. and U.S.A.
 9. Judicial system and judicial review in United States of America,
10. Judicial system and rule of law in U.K.

Text Books:

1. Political Theory,Dr. S SNanda,Modern Pub

2. Comparative Politics, DrPremGupta ,Raj Pub

3. Political Sociology, P.L Arora,Pepsu book depot Patiala

4. Comparative Politics Revised and enlarged ed. Edition Publisher: Atlantic

Reference Books

1. Jean Blondel : An Introduction to Comparative Government, Praeger, 1969.
2. G. Almond and B. Powell: Comparative Politics: A Development Approach, Little Brown, 1966.
3. Robert Ward & Roy Macrides (Eds.) : Modern Political Systems, Prentice Hall, 1972.
   4. M. Irish & J.W. Protho : The Politics of American Democracy, Prentice Hall, 1968.
4. D. J. Weller : The Government of Politics of Communist China, Hutchinson, 1970. Peter Bormhead :Britains Developing Constitution, St. Martin's Press,1974.
5. John P. Mackintosh : The Government and Politics of Britain, Hutchinson, 1971.
6. P.J. Madgwick : Introduction to British Politics, Hutchinson, 1971.
7. A.H. Birch : The British System of Government, Allen & Unwin, 1980.
8. Lucian Pye : The Spirit of Chinese Politics, Cambridge, 1970.
9. Richard Rose : Studies in British Politics, Macmillan, 1966.
10. Shanti Swarup : A Study of the Chinese Communist Movement (only Introduction), Clarendon, 1966.
11. Robert Wesson : Communism and Communist Systems, Prentice-Hall, 1978.
12. Richard H. Solomon : Mao's Revolution and the Chinese Political Culture, Oxford University, 1971.
13. Mahle :Comparative Politics , Pearson
14. O.P. gauba : An Introduction to Comparative Politics ,mayur publishing
15. Johari J. C.: TulnatmakRajneeti ,Sterling Publishers Pvt.Ltd
16. Kumar Chanchal: Comparative Governments & Politics Publisher: New Century
17. O.P. Gauba : RajnitiSiddhant Ki Rooprekha (An Introduction To Political Theory,MayurPublishers
18. Ravi Ranjan, A. Bhatt: Comparative Government And Politics ,Anmol Publications

Website/Links/Online Portal/ICT

i) Comparative Government and Comparative Politics.
ii) Comparative Method. https://www.youtube.com/watch?v=ywzhIj15pFY
iii) Main features of the British Political System, British Political Traditions, Monarchy https://www.youtube.com/watch?v=f98HtyjcWxE,

https://www.youtube.com/watch?v=OyE-3wyvXps,
https://www.youtube.com/watch?v=UxlG0n3r9rk

iv) Features of U.S. Political system ,https://www.youtube.com/watch?v=xUp-X0jAvCc

v) Executive in America-The President https://www.youtube.com/watch?v=3j4VqtqtJIs

vi) British Parliament-House of Lords, House of Commons, American Congress- Senate, House of Representative.https://www.youtube.com/watch?v=Hn-o77psLqA, https://www.youtube.com/watch?v=cAB8CzX0rcE

vii) Political Parties U.K. and U.S.A.https://www.youtube.com/watch?v=0ndeelCU83g

viii) Pressure Groups – U.K. and U.S.A.

ix) Judicial system and judicial review in United States of America,

x) Judicial system and rule of law in U.K https://www.youtube.com/watch?v=YQGGFaKRimQ

Computer Networks (300501)

Credits 5   **L T P**
                                                                                                        4 1 0

Data communications concepts: Digital and analog parallel and serial synchronous and asynchronous, simplex, half duplex, full duplex, multiplexing.

Communication channels: Wired transmissions: Telephone lines, leased lines, switch line, coaxial cables, base band, broadband, optical fiber transmission.

Wireless transmission: Microwave transmission, infrared transmission, laser transmission, radio transmission, and satellite transmission.

Communication switching techniques; Circuit switching, message switching, packet switching.

Network reference models; Network topologies, OSI references model, TCP/IP reference model, comparison of OSI and TCI reference model.

Data link layer design issue: Services provided to the network layer, framing, error control, flow control ,HDLC, SDLC, data link layer in the internet (SLIP, PPP).

MAC sub layer: CSMA/CD, IEEE standards, FDM, TDM, CDMA.

The Network Layer: Design Issues, Routing Algorithms: Optimality principled, shortest path routing, Concept of Internet Working.

References:

1. Tanne Baun, Andrew   **Computer Networks** (PHI)

2. S.K. Bansandra   **Computer Today** (Galgotia)

3. Black, Ullysee   **Data Communication System** (PHI)

4. Stalling   **Data and Computer Communications** (PHI)

Physical Education-V (601512)

Semester-V   L T P

Credit-3   3 0 0

Theory (60 M)
1. **Massage:-**Classification and their effect, Effect of Exercise on muscular respiratory and circulatory systems.
2. **Balance Diet: -**Component sources and function of each component.
3. **Doping: -** Meaning, types, bad effects and control.
4. **Sports Training: -** Meaning, aim, objective, principles of training.
5. **Sports coaching: -** Meaning, aim, objective, principles of coaching.
6. **Load: -** Meaning, principals, types and methods of loading.
7. **Training method: -** Circuit, Interval, Fartlek, Weight Training and Cross Country.
8. **Components of Physical Fitness:-** Speed, strength, endurance, agility, and flexibility.
9. **Conditioning: -** Main principles and methods of general and specific conditioning.
10. **Motion:** Meaning, types and laws.
11. **Lever System:** Meaning, types and law.
12. **Force:** Meaning, types and centre of society.

Reference:

Kang G. S. Deol N. S. – An introduction to Health and Physical Education 21st century Patiala 2008.

Desch and Burk: winesiology and applied anatomy. 2nd ed. Lee and febiger,1963.

Wells: K Kinesiology, 4th edition W.B.Saunder,1966.

Mathews D. K. & E.L. fox: the physiological basis of Physical Education and Sports, 2nd edi, Philadelphia. K. B. Sanuders & Co.1984

Shaver L. J. Edeential of Exercise Physiology Kamla Nagar Surjeet, 1995

Dick, Frank : Sports Training Principles. London Lepus Book, 1980

Jensen Fisher: Scienfific Basis of Athletic Conditioning Philadelphia, lee andFebiger,1975.

L. Matveyer : Fundamentals of sports Training-1981

Ajmer Singh and Jagtar Singh Gill: Essentail of Physical education and Olympic movement Kalyani Publishers, Ludhiana.2004.

Physical Education-V (601517)

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Semester-V   L T P
Credit-2   0 0 4
Practical (40 M)
    Stipple Chase   8M
    Throwing Event   8M (Any One Event)
    Jumping Event   8M (Any One Event)
    Taekwondo Hockey, Softball   16M (Any One Game)

Evaluation will be based on skill test, performance &viva voce.
Contents to be covered during the practical sessions:
- Measurement of the field and preparation of the field
- Equipments and Materials of the game/ Event.
- Fundamental skill and lead up game.
- Techniques.
- Rules and Regulations of the game/ Event.
- Officiating:
    - Duties of officials
    - Knowledge of score sheet
    - Signals of officiating
    - Technical equipment for officiating

Economics-V (A601513)

Semester-V   L T P

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Credit-5   5 0 0

Economics of Development

Course Objective:

Economics of development is concerned with the analysis of economic phenomena from the perspective of the individual. The course covers the basic concepts and tools needed to undertake the analysis of such problems that arise due to the law of scarcity. The course also aims at introduction of the functioning of competitive and noncompetitive product markets and performance of the markets for resources. The students are expected to develop rudimentary understanding of how and why consumers, firms, and markets in the economy function the way they do.

SECTION –A

Economic Development: Meaning and measurement, Economic and Non-Economic Factors, Nature and characteristics of an Underdeveloped Economy, Determinants of Economic Development, Nurkse Theory of Disguised Unemployment, Lewis Theory of Unlimited Supply of Labor.

SECTION –B

Classical, Marxian and Schumpeter's Model. Neoclassical Model of growth. Poverty and Development: Amritya Sen's View.

SECTION – C

Strategies of Economic Development: Balanced Vs Unbalanced Growth, Theory of Big-Push, Rostow Theory of Stages of Growth, Libenstein Critical Minimum Efforts Thesis.

SECTION – D

Capital Formation: Meaning and sources. Theory of Planning in Developing Countries: Need, Objectives, Strategies and Problems of Planning, Price Mechanism and Planning. Choice of Technique.

Practical Work: (Do any Two):-

Field Work/Village Studies/Village Trip/Case Studies of firms/Industry/Any Business Organisation.

RECOMMENDED READINGS

1. G.M. Meier (Ed.): Leading Issues in Development Economics, Oxford University Press, New York, 1964, pp. 3-47, 231-265, 464-496.
2. W.W. Rostow: Stages of Growth, Cambridge University Press, 1991, pp. 1-92.
3. Benjamin Higgins: Economic Development, Principles, Problems and Policies, Central Book Depot, Allahabad, 1966, pp. 3-24, 85-143.

4. G.M. Meier and James E. Ranch (Ed.): Leading Issues in Economic Development.
5. Nurkse: Problems of Capital Formation in Underdeveloped Economies (Oxford).

SUPPLEMENTARY READINGS

1. Michael Todaro: Economics Development in the Third World (almost entire book).

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Sociology-V(B601514)

Semester-V	L T P
Credit-5	5 0 0

Course Outcomes:

CO1: To understand rural Society and rural Sociology

CO2: To understand the rural, peasant and agrarian life

CO3: To understand rural economic structure

CO4: To understand the rural social and political structure

CO5: To study the rural development programmes

Unit I

i) Rural Sociology-Origin, Nature and scope.

ii) Demographic and Ecological Characteristics of Rural Areas.

Unit II

iii) Rural Social Structure- Caste, Class and Gender

Unit III

i) Rural Economy- Nature, Agrarian Mode of Production.

ii) Land Reforms, Green Revolution.

Unit IV

iii) Crisis in Rural Society: Rural Indebtedness: Meaning, Causes and Consequences

iv) Farmers' suicides: Meaning, Causes and Consequences.

Recommended Books:

1. Beteille, Andre.   1996. *Caste, Class and Power*. New Delhi : Oxford University Press.

2. Jammu, P. S.   1974. *Changing Social Structure in Rural Punjab.* New   Delhi :   Sterling Publishers.

3. Sukhdev Singh   1997. g/Iv{ ;wki ns/ g/Iv{ ftek;H Patiala : Punjabi University.

Reference Books:

1. Doshi, S. L.   1999 . *Rural Sociology.*New Delhi : Rawat Publications.

2. Shiva, Vandana   1991.*The Violence of Green Revolution.* U.K.

3. Frankel, F.R.   1971.*India's Green Revolution, Bombay* : Oxford University Press.

4. Fuller,Christopher. 1996.*Caste Today.* Delhi : Oxford University Press.

5. Sharma, M. L.   1999 . *Land Reforms in India.* New Delhi : Ajanta Publications.

6. Jammu, P. S.   2007.*Jaat Parnali Ate Punjabi Samaj.* Jalandhar: Punjab Academy of
                                Social Sciences, Language and Culture.

7. Marriott,Mckim. 1969. *Village India : Studies in Little Community.*

    (ed.)   Chicago : University of Chicago Press.

8. Punit, A. E.   1978 . *Social Systems in Rural India.* New Delhi : Sterling
                                Publication.

9. Sharma, K. L.   1997 . *Rural Society in India.* Jaipur : Rawat Publication..

Website/Links/Online Portal/ICT
i)   https://www.sociologydiscussion.com
ii) https://www.yourarticlelibrary.com
iii) https://www.publicpolicy.rs
iv) https://core.ac.uk
v)   http://www.yourarticlelibrary.com

Music (Vocal)-V 601515

Semester-V   L T P
Credit-3   3 0 0

Section A

1. Explain the following Upaj, Mukhda, Bol-Alap, Khatka, Meend, Bol Baant, Ghamak.

2. Knowledge of writtin Talas in single & double.

3. Elementary knowledge of Raga- Ragini vergikaran.

Section B

1. Gharana, its importance & contribution towards khyal Gayan.

2. Knowledge of Alap, Tana and its various forms.

3. Brief life sketches of the great master of music & their contribution:

  a) Shri krishan Rao Shankar Pandit b) Ustad Faiyad Khan Sahib Agra

  c) Shri Sohan Singh ji

Section C

1. Detailed study of Tanpura & Sahayak Naad.

2. Detailed Knowledge of Dhrupad & Dhammar styles of singing.

3. Description of Ragas & Talas prescribed in the course:

a) Kedar b)Bhimplasi c) Bihag

Section D

1. Contribution of Guru Arjan Dev ji to gurmat sangeet.

2 Defintion of the following Nyas, Apnayas, Grah, Ansh.

3. Folk Music of Punjab

RECOMMENDED READINGS

1. Dr.Mrieunjaya Sharma,Dr.Ram Narayan: Sangeet manual; H.G Publications Dehli
2. Shankar Lal Mishra & alka Katyal: Sangeet Shaster Vivechan, Punjabi University Patiala
3 Dr.Davinder kaur :   Sangeet roop; Sangeetanjali Publications Patiala
4. Dr. Suman Lata: Hindustani Shastri Sangeet Avam Vyavyar; Karnal Publications.
5. Dr.Yaspal Sharma: Gayan Kalan; Punjabi University Patiala.

Music (Vocal)-V (Practical) 601516

Semester-V   L T P
Credit-2   0 0 4

Performance

1. One Drut khayal in each of the following Ragas with alaps & tanas: Kedar, Bhimplasi & Bihag.

2. One Lakshan Geet in any of the prescribed ragas.

3. Ability to sing National Anthem with harmonium.

4. ability to play Teen tal on table.

5. Ability to recite Jhap Taal, Deep-chandi, Showing Khalitali with hand motion in Ekgun, Dhugan layakaries.

6. One filk song of Punjab.

Religious Studies-V (601518)

Semester-V   L T P
Credit:-5   5 0 0

ਪ੍ਰਾਚੀਨ ਧਰਮ ਪ੍ਰਕ੍ਰਿਤੀ, ਸੰਸਕਾਰ ਅਤੇ ਉਦੇਸ਼
Section- A
ਪ੍ਰਾਚੀਨ ਧਰਮ

੧. ਪ੍ਰਾਚੀਨ ਮਨੁੱਖ ਅਤੇ ਉਸਦਾ ਧਰਮ:- ਕੁਦਰਤ ਦੀ ਕਰੋਪੀ, ਧਰਮ ਦਾ ਆਰੰਭ।

੨. ਮੁੱਢਲੇ ਧਾਰਮਿਕ ਵਿਸ਼ਵਾਸ:- ਐਨੀਮਿਜ਼ਮ, ਮਾਨਾ, ਟੋਟਮਵਾਦ।

੩. ਧਾਰਮਿਕ ਪ੍ਰਗਟਾਵੇ:-ਜਾਦੂ, ਮਿੱਥ, ਟੈਬੂ।

Section- B
ਧਰਮ ਦੀ ਪ੍ਰਕ੍ਰਿਤੀ

੪. ਧਰਮ ਦੀ ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਸਰੂਪ

੫. ਧਰਮ ਦਰਸ਼ਨ:- ਪਰਿਭਾਸ਼ਾ ਸਮਾਕਤਾ ਅਤੇ ਅੰਤਰ

੬. ਧਰਮ ਅਤੇ ਨੈਤਿਕਤਾ:- ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਸੰਬੰਧ

Section- C
ਧਰਮ-ਸੰਸਕਾਰ

੭. ਧਰਮ-ਸੰਸਕਾਰ:-ਪਰਿਭਾਸ਼ਾ

੮. ਜਨਮ ਅਤੇ ਪ੍ਰਵੇਸ਼ ਸੰਸਕਾਰ

੯. ਮ੍ਰਿਤਕ ਸੰਸਕਾਰ

Section- D
ਧਰਮ-ਉਦੇਸ਼

੧੦. ਧਰਮ ਦਾ ਵਿਆਕਤੀਗਤ ਉਦੇਸ਼

੧੧. ਪਰਿਵਾਰਗਤ ਉਦੇਸ਼:- ਵੱਖ-ਵੱਖ ਧਰਮਾਂ ਅਨੁਸਾਰ

੧੨. ਧਰਮ ਦਾ ਸਮਾਜਗਤ ਉਦੇਸ਼:- ਜੀਵਨ ਵਿਚ ਧਰਮ ਦੀ ਭੂਮਿਕਾ

ਸਹਾਇਕ ਪੁਸਤਕਾਂ:-

੧. ਧਰਮ ਦਰਸ਼ਨ, ਡਾ. ਸਾਤੀਨਾਥ ਗੁਪਤਾ।

੨. ਧਰਮ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ, ਡਾ. ਗੁਰਬਚਨ ਸਿੰਘ ਤਾਲਿਬ।

੩. ਧਰਮ ਅਧਿਐਨ-ਅਕਾਦਮਿਕ ਪਰਿਪੇਖ:- ਡਾ. ਜੋਧ ਸਿੰਘ, ਡਾ. ਅਨੰਦ ਸਪੌਂਸਰ, ਡਾ. ਹਰਪਾਲ ਸਿੰਘ ਪੰਨੂ।

੪. ਧਰਮ ਦਾ ਦਾਰਸ਼ਨਿਕ ਪੱਖ:- ਡਾ. ਵਜੀਰ ਸਿੰਘ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

Punjab History & Culture (601519)

Semester-V   L T P

Credit:-5   5 0 0

Section A

GURU KASHI UNIVERSITY
University College of Basic Sciences & Humanities (Code:6)
B.A (601)

1. Social life with special reference to position of women, fairs, festivals, folk music, dance and games in the Punjab.
2. The early British Administration (1849-53).

Section B

3. British Policies towards Agriculture, Industry, Trade and Commerce.
4. Socio-Religious reform movement; Arya Samaj, Singh Sabha and Ahmdiya.

Section C

5. Growth of Political Consciousness in the Punjab upto 1907.
6. A brief survey of the role of the Punjab in freedom movement.

Section D
7. Circumstance leading to the partition of the Punjab, 1947.
8. Great writers and Artists of the Punjab; Bhai Vir Singh, Dhani Ram Chatrik, Amrita Shergill and Sobha Singh.

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Fashion Designing-V (601520)

Semester-V   L T P
Credit-3   3 0 0

SECTION-A

1.   (a)   Paper pattern making & its types
      (b)   Precautions while making patterns

2.   (a)   Benefits of paper patterns making
      (b)   A study of patterns making tools

SECTION-B

3.   Principals of Patterns Cutting :
4.   (a)   Methods of transferring paper layout
      (b)   Precautions & advantages of layout

BOOKS RECOMMENDED

1.   Garment Construction Skills by Prem Lata Mullick
2.   Ancient Indian Costume by Roshen Alkazi
3.   Indian Dress by Charles Fabri

Fashion Designing-V (practical) (601521)

GURU KASHI UNIVERSITY
University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Semester-V   L T P
Credit-2   0 0 4

SECTION-A

1.   Basic Terminology :
     Paper Pattern, Templates, Seamless Patterns, Block, Grain line,
     Corollary, Land marks, Bowing, Pattern grading, Bust point,
     Balance, Notches, Draping, Ease, Dart, Selvedge, True bias,
     Pattern plot, Pattern manipulation, Pivotal point, Bias cut.

SECTION-B

2.   Alternation to patterns
     Trouser size and shape
     (a)   Waist line
     (b)   Crotch length
     (c)   Leg length
     (d)   Large bottom

3.   Alteration of Patterns in ladies shirt
     (a)   Length & Width
     (b)   Adjustment of sleeve & shoulders
     (c)   Waist & Hip

BOOKS RECOMMENDED

1.   Garment Construction Skills by Prem Lata Mullick
2.   Ancient Indian Costume by Roshen Alkazi
3.   Indian Dress by Charles Fabri

Home Science-V (601522)

Semester-V   L T P

Credit- 3   3 0 0

Resource Management and Interior Decoration

Section A

1. Resource Management - Definition, importance and steps in the process of Management, Family Resources - Definition, classification and management of resources

2. Money management- Meaning, types of income, process of money management, budgeting, keeping records.

3. Energy management: - Process of energy management, fatigue, rest periods.

4. Time management – Process of time management, peak loads.

Section B

5. Work simplification - Meaning and methods. Kitchen & Types of kitchen

6. Elements and Principles of art. Colour - Characteristics and different schemes, Psychological effects of colours

7. Flower arrangement

8. Housing a) Selection of House site b) Factors to be considered while designing a house   Orientation, Privacy, Grouping of User's Area, Roominess Circulation, Sanitation, Light & Ventilation, Aesthetes, Flexibility, Cost..

Reference:

Management for Indian Families : Gross & Crandall

Management in family living : Nickell& Dorsey

Home Furnishing : A.H. Rutt 4- Home with characters : Graig& Rush

Home Management families : M.K. Manu

Ruth E. Deacon. Francille M. Firebaugh (1975): Family Resource

Management – Principle and Application Roy Houghton Miffin Company Irma H. Gross Elizabeth GrandallMarjoris M. Knoll (1973): New Jersey

DevdasRajamal. P. The meaning of Home Science, Sri Avinashlingam

Home Science College, Cambatore.

P. Kalpana R. "What is Home Science," Evira Publications, Vadodra.

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Home Science-V (601523) (Practical)

Semester-V   L T P

Credit- 2   0 0 4

1.   Study of colour wheel, use of colours in different rooms.

2.   Flower arrangement for different occasions - Fresh & Dry

3.   Making Rangolies

4.   Pot making – by painting and by decoration

5.   Table manners & Table setting including napkin folding.

6.   Preparation of one menu card,

7.   Drawing of layout plans for different rooms

8.   One decorative/utility article from waste material.

Semester-VI   L T P

Credit- 5   5 0 0

ਉਦੇਸ਼:-

> ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਇਕਾਂਗੀ ਦੇ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਦਾਨ ਕਰਨਾ।

> ਨਿਬੰਧ ਰਚਨਾ ਤੇ ਪੈਰ੍ਹਾ ਰਚਨਾ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

> ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਵਿਆਕਰਨ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

> ਨਿੱਜੀ ਚਿੱਠੀ ਪੱਤਰ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ।

<div align="center">ਭਾਗ-ੳ</div>

• ਇਕਾਂਗੀ ਯਾਤਰਾ, ਡਾ. ਸਤੀਸ਼ ਕੁਮਾਰ ਵਰਮਾ ਅਤੇ ਡਾ. ਰਘਵੀਰ ਸਿੰਘ (ਸੰਪਾਦਕ); ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

• ਪਹਿਲੇ ਭਾਗ ਵਿਚ ਸਾਰ ਅਤੇ ਵਿਸ਼ਾ ਵਸਤੂ ਨਾਲ ਸਬੰਧਿਤ ਦਸ ਅੰਕਾਂ ਦੇ ਕੋਈ ਦੋ ਸਵਾਲ ਪੁੱਛੇ ਜਾਣਗੇ ਵਿਦਿਆਰਥੀ ਨੇ ਇਕ ਕਰਨਾ ਹੋਵੇਗਾ।

• ਦੂਜੇ ਭਾਗ ਵਿੱਚ ਪਾਤਰ ਚਿਤਰਨ ਅਤੇ ਪਾਤਰ ਉਸਾਰੀ ਨਾਲ ਸਬੰਧਿਤ ਦਸ ਅੰਕ ਦੇ ਦੋ ਸਵਾਲ ਪੁੱਛੇ ਜਾਣਗੇ ਵਿਦਿਆਰਥੀ ਨੇ ਕੋਈ ਇਕ ਕਰਨਾ ਹੋਵੇਗਾ।   **20 ਅੰਕ**

<div align="center">ਭਾਗ-ਅ</div>

1. ਨਿੱਜੀ ਚਿੱਠੀ ਪੱਤਰ।   5 ਅੰਕ

2. ਇਸ਼ਤਿਹਾਰ ਲੇਖਣ ਅਤੇ ਸੱਦਾ ਪੱਤਰ ਲੇਖਣ   5 ਅੰਕ

3. ਸੰਖੇਪ ਨਿਬੰਧ ਰਚਨਾ (250-300 ਸ਼ਬਦਾਂ ਵਿਚ)   10 ਅੰਕ

<div align="center">ਭਾਗ-ੲ</div>

4. ਭਾਸ਼ਾ: ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ, ਮਾਤ ਭਾਸ਼ਾ ਦਾ ਮਹੱਤਵ   5 ਅੰਕ

5. ਪੰਜਾਬ ਦੀਆਂ ਉਪਭਾਸ਼ਾਵਾਂ (ਮਾਝੀ, ਮਲਵਈ, ਦੁਆਬੀ ਅਤੇ ਪੁਆਧੀ)   5 ਅੰਕ

ਪੁਸਤਕ ਸੂਚੀ:

• ਡਾ. ਸਤੀਸ਼ ਕੁਮਾਰ ਵਰਮਾ ਅਤੇ ਡਾ. ਰਘਵੀਰ ਸਿੰਘ (ਸੰਪਾਦਕ); ਇਕਾਂਗੀ ਯਾਤਰਾ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

• ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰ, ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਸੁਖਵਿੰਦਰ ਸਿੰਘ ਸੰਘਾ ਅਤੇ ਵੇਦ ਅਗਨੀਹੋਤਰੀ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਨ (ਭਾਗ-ਪਹਿਲਾ), ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ, ਜਲੰਧਰ।

• ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੀ ਜਨਮ ਤੇ ਵਿਕਾਸ, ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼, ਮੈਦਾਨ ਪਬਲਿਕੇਸ਼ਨ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ ਪਟਿਆਲਾ।

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

COMMUNICATION SKILLS -VI (A601603)

Semester-VI   L T P

Credit- 5   5 0 0

Course Outcomes:

- Improve the vocabulary and writing skills.

- To make an understanding to prose writings.

- Students will be able to make writing assignments on life situations

Course Contents:

Each Course will have four sections for UG/Diploma Programs

Unit I

Section-A

Untouchable by Mulk Raj Anand

Unit II

1. Selected College Poems (Orient Longman). Edited by Ambika Sengupta- The following poems from this book are prescribed:

   (a) A Prayer for My Daughter
   (b) The Kingfisher
   (c) The Road not Taken
   (d) Journey of the Magi
   (e) The Unknown Citizen
   (f) Night of the Scorpion
   (g) Punishment in Kindergarten.

Unit III

3. a) Book Review
    b) Letter to Editor

Unit IV

(a) Development of a story from a given outline of 3-4 lines (Guided Composition)

Recommended Books:
  a. Untouchable by Mulk Raj Anand. Hutchinson International Authors Limited. London 1947 (first ed. 1935)
  b. Selected College Poems (Orient Longman). Edited by Ambika Sengupta

 Reference Books:
   i)   English Gramar and Compostion edited by Dr. Indibar Mukherjee
   ii) General English by U.R. Mediratta
   iii)'The Written Word' by Vandana R. Singh (Oxford University Press, New Delhi, 2003).

Note: Title of the book, author/s, year of publications and the name of the publisher be written completely.

World Literature (A601604)

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Semester-VI   L T P

Credit- 5   5 0 0

Course Outcomes:

The students of Literature will be able to:

- To familiarize the students with some of the major literary works of the period.
- To introduce the students to the literary masterpieces, to enrich their background of literature and awareness of the creative experience.
- To apply theoretical approach to critical reading of selected works.

SECTION A

Arnold Wesker: *Roots*

SECTION B

The Bachelor of Arts : R.K. Narayan

SECTION C

Albert Camus: *The Outsider*

SECTION D

G. B. Shaw: *Arms and The Men*

4. **Recommended Books**

Reference Books:

1. E.M. Forster: Aspects of the Novel
2. An Outline History of English Literature by W.H. Hudson.
3. Oxford Concise Dictionary of Literary Terms edited by Chris Baldick. (Oxford University Press, 2004) Indian Edition.

Website/Links/Online Portal/ICT

- 1938 Reynolds Evans by *Columbia Workshop* (abridged for radio)
- 19 https://interestingliterature.com/2017/07/a-short-analysis-of-thomas-hardys-a-pair-of-blue-eyes/53 Robert Donat by Angel Records

ਚੋਣਵੀਂ ਪੰਜਾਬੀ (A601605)

Semester-VI   L T P

Credit- 5   5 0 0

ਹਦਾਇਤਾਂ:-

ਭਾਗ-ੳ ਵਿੱਚੋਂ ਦਸ-ਦਸ ਅੰਕ ਦੇ ਦੋ ਸਵਾਲ ਕਰਨੇ ਜ਼ਰੂਰੀ ਹਨ। ਪਹਿਲਾ ਸਵਾਲ ਤਿੰਨ ਵਿਚੋਂ ਕਿਸੇ ਦੋ ਦੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ ਦਾ ਹੋਵੇਗਾ। ਹਰ ਹਿੱਸੇ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ।ਦੂਜੇ ਹਿੱਸੇ ਵਿਚ ਕਵਿਤਾਵਾਂ ਦੇ ਸਾਰ ਜਾਂ ਵਿਸ਼ੇ ਵਸਤੂ ਸਬੰਧੀ ਤਿੰਨ ਵਿੱਚੋਂ ਕੋਈ ਦੋ ਸਵਾਲ ਕਰਨੇ ਹੋਣਗੇ।ਹਰੇਕ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ। ਭਾਗ ਅ ਵਿਚ ਸਾਹਿਤ ਦੇ ਇਤਿਹਾਸ ਨਾਲ ਸਬੰਧਿਤ ਕੋਈ ਪੰਜ ਵਿੱਚੋਂ ਤਿੰਨ ਪ੍ਰਸ਼ਨ ਕਰਨੇ ਹੋਣਗੇ ਹਰੇਕ ਦੇ ਪੰਜ ਅੰਕ ਹੋਣਗੇ।ਭਾਗ ੲ ਵਿਚ ਪੰਜ ਵਿੱਚੋਂ ਕੋਈ ਤਿੰਨ ਸੰਕਲਪਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰਨੀ ਹੋਵੇਗੀ ਹਰੇਕ ਦੇ ਤਿੰਨ ਅੰਕ ਹੋਣਗੇ।

<div align="center">ਭਾਗ-ੳ</div>

4. ਸਾਵੇ ਪੱਤਰ, ਪ੍ਰੋ. ਮੋਹਨ ਸਿੰਘ।

<div align="center">ਭਾਗ-ਅ</div>

5. ਪੰਜਾਬੀ ਸਹਿਤ ਦਾ ਇਤਿਹਾਸ (800 ਤੋਂ 1500 ਈ. ਤੱਕ)

<div align="center">ਭਾਗ-ੲ</div>

6. ਭਾਰਤੀ ਕਾਵਿ ਸ਼ਾਸਤਰ ਨਾਲ ਸੰਬੰਧਤ ਪੰਜ ਸੰਕਲਪ-ਅਭਿਧਾ, ਲਕਸ਼ਣਾ, ਵਿਅੰਜਨਾਂ, ਰੂਪਕ, ਉਪਮਾ।

   ਪੁਸਤਕ ਸੂਚੀ :

   • ਜਗਬੀਰ ਸਿੰਘ ਪੰਜਾਬੀ ਸਾਹਿਤ ਦਾ ਇਤਿਹਾਸ(ਆਦਿ ਕਾਲ ਤੇ ਭਗਤੀ ਕਾਲ) ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਯੂਨੀਵਰਸਿਟੀ, ਅੰਮ੍ਰਿਤਸਰ।

   • ਪਰਮਿੰਦਰ ਸਿੰਘ, ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ ਅਤੇ ਗੋਬਿੰਦ ਸਿੰਘ ਲਾਂਬਾ, ਪੰਜਾਬੀ ਸਾਹਿਤ ਦੀ ਉਤਪਤੀ ਤੇ ਵਿਕਾਸ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ ਲੁਧਿਆਣਾ।

   • ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਸਮੀਖਿਆ ਪ੍ਰਣਾਲੀਆਂ, ਪੰਜਾਬ ਸਟੇਟ ਟੇਕਸਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ।

<div align="center">**Hindi Literature-VI (A601606)**

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Semester-VI   L T P
Credit- 5   5 0 0

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History-VI(A601607)

Semester-VI   L T P
Credit- 5   5 0 0

Paper: History of Punjab, (1799-1885)

Objectives:
1. To enhance the knowledge of the learner about History of Punjab.
2. To understand the various concepts of Ranjit's period
3. Explore the Sikh- Raj, established by Ranjit Singh

SECTION-A
1. The establishment of Ranjit Singh's Kindgdom: Conquests of Lahore, Multan, Kashmir and Peshawar.
2. Relations between Ranjit Singh and the British (1800-1839)

SECTION-B
3. Central and Provincial Administration and Military System of Ranjit Singh.
4. Anglo-Sikh War and the Annexation of the Punjab.

SECTION-C
5. Administration of Punjab 1849-58; Board of Administration and its working; Johan Lawrence as Chief Commissioner.
6. *Socio Religions reforms movement in the late 19th Century; Kuka movement, Singh Sabha Movement, Arya Samaj.*

Section-D
1. *7. Factor leading to the partition of Punjab & its impact.*
2. *Circumstances leading to the Re-Organization of the Punjab in 1966.*

Books Suggested:
1. Sinha, N.K.   :   Ranjit Singh (English & Punjabi)
2. Hasrat, B.J.   :   Life and Times of Ranjit Singh (English)
3. Khushwant Singh   :   History of the Sikhs, Vol.-II
4. Khushwant Singh   :   Ranjit Singh-Maharaja of the Punjab
5. Fauja Singh   :   Some Aspects of State and Society under Ranjit Singh
6. Chhabra, G.S.   :   Advanced History of the Punjab, Vol-II
7. Cunningham, J.D.   :   History of the Sikhs
8. Kirpal Singh   :   Partition of the Punjab (English & Punjabi)
9. Ganda Singh (ed.)   :   Punjab (Bhai Jodh Singh Abhinandan Granth)
10. Arora, A.C.   :   Punjab Da Itihas (Punjabi)
11. Narang, K.S. & Gupta,   :   Hstory of the Punjab (English, Punjabi & Hindi)

H.R.

12. Gurcharan Singh and   :   Punjab Da Itihas (Punjabi)
    Gandhi, S.S.

13.   Arora, A.C.   :   Atlas of Punjab History (English, Punjabi & Hindi)

Arora, A.C. (ed.)   :   Punjab Dian Lok Lehran (Punjabi).

Metric Space(610601)

Semester-VI   L T P

Credit-3   3 0 0

Section A

Definition and examples of metric spaces, open spheres and closed spheres, Neighbourhood of a point, Open sets, limit points ,Interior points, Limit points, Closed sets and closure of a set, Boundary points, diameter of a set, Subspace of a metric space.

Section B

Convergent and Cauchy sequences, Complete metric space, dense subsets and separable spaces, Nowhere dense sets, Continuous functions and their characterizations, Isometry and homeomorphism.

Section C

Compact spaces, Sequential compactness and Bolzano-Weierstrass property, Finite Intersection property, Continuous functions and compact sets. Disconnected and connected sets, Components, Continuous functions and connected sets.

Books Recommended:

1. G.F. Simmons: *Introduction to Topology and Modern Analysis*, McGraw Hill, 1963.

2. E.T. Copson, *Metric spaces*, Cambridge University Press, 1968.

3. P.K. Jain and Khalil Ahmad: *Metric spaces*, Second Edition, Narosa Publishing House, New   Delhi, 2003.

4. B. K. Tyagi, *first course in metric spaces,* Cambridge University Press, 2010.

Complex Analysis (610602)

Semester-VI L T P
Credit-3 3 0 0

Section A

Complex numbers as ordered pairs, Geometrical representation of complex numbers, stereographic projection, Limit and continuity, Complex derivative, Derivative and Analyticity, analytic functions, Cauchy-Riemann equations, Harmonic equations.

Section B

Elementary functions, Exponential functions, Trigonometric functions, Hyperbolic functions, Logarithmic functions, Analyticity of Log functions, Inverse trigonometric and Hyperbolic functions. Mapping by elementary functions, Mobius Transformations, Fixed points, Cross ratio, Inverse points and critical mappings, Conformal mappings.

Section C

Integration of complex-valued functions, Contours, Contour integrals, Anti derivatives, Cauchy Theorem (without proof), Simply and multiply connected regions, Cauchy integral formula (without proof), Line integration, Complex line integration, Contour integration and Green's theorem (without proof), Path Independence, Indefinite Integrals, Fundamental theorem of calculus in the complex plane.

Section D

Convergence of sequences and series, Taylor series, Laurent series, Maclaurin series.

Books Recommended:

1. R. V. Churchill and J. W. Brown: *Complex Variables and Applications*, McGraw Hill Publishing Company, 1990.

2. E. Hille: *Analytic Functions Theory*, Vol. 2, Ginn and Co. 2nd Ed. New York, 1973.

3. E. B. Saff and A. D. Snidder: *Fundamental of Complex Analysis with Applications to Engg. and Science*, Pearson Education.

4. A. David Wunsch, *Complex Variables with Applications*, Pearson Publication, 2009.

5. Punnuswamy: *An Introduction to Complex Analysis*, Narosa Publication.

Operations Research and Linear Progamming (A610603)

Semester-VI L T P

Credit-3   3 0 0

Course Outcomes :
 CO1. Understand the origin and development of Operations Research
CO2. Understand what is an LPP problem.
CO3. Define how to formulate an LPP with linear constraints
CO4. Maximize the profit, minimize the cost, minimize the time in transportation problem
       For example, Travelling salesman problem, Assignment problem
C05. Identify a problem in your locality, formulate it as an LPP and **solve.**

Section A

Operations Research (OR) and its Scope, Modeling in OR, Scientific Method in Operations Research, Linear Programming: Definition, mathematical formulation, standard form, Solution space, solution – feasible, basic feasible, optimal, infeasible, multiple, redundancy, degeneracy, Solution of LP Problems - Graphical Method, Simplex Method.

Section B

Transportation Problem, Basic feasible solution using different methods (North-West corner, Least Cost, Vogel's Approximation Method), Optimality Methods, Unbalanced transportation problem, Degeneracy in transportation problems, Assignment Problem, Hungarian Method for Assignment Problem.

Section C

Elementary inventory models, Replacement models, Group replacement problem, Sequencing theory, m machines and n jobs problem, Graphical method for sequence problem.

Section D

Game Theory, pure and mixed strategies, Saddle point, Two-Persons-Zero-Sum Game, Game with mixed strategies, Dominance rule, Graphical Method, Inter - relation between the theory of games and linear programming, Solution of game using Simplex method.

Text Books
1. M. S. Bazaara, J.J. Jarvis, H.D. Sherali, Linear programming and Network flows, John Wiley, 2nd edition, 1990.
2. M.S. Bazaara, H.D. Sherali & C.M. Shetty, Nonlinear programming Theory and Algorithms, John Wiley, 2nd edition, 1993.

Reference Books
1. G. Hadley, Linear programming, Narosa Publishing House, 1990.
2. H.A. Taha, Operation Research-Introduction, Prentice Hall India, 7th edition, 2006.

Website/ Links/ Online portal/ICT

1. https://www.businessmanagementideas.com/personnel-management/operation-research/operation-research-definition-scope-and-techniques/6556
2. https://towardsdatascience.com/what-is-operations-research-1541fb6f4963?gi=6876fe4486fc

Political Science-VI (A601609)

Semester-VI   L T P
Credit-5   5 0 0

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Paper-International Politics: Theory and Practice

Instructions for Examiner/Candidates: The question paper shall have 14 questions. Section A will be of five questions having consist 2 marks each. Section B will consist of six questions and candidate has to attempt any 4 questions which will be of 5 marks each. Section C will be of three questions each question will carry 10 marks each and candidate has to be attempt any two questions.

Course Outcomes:

CO1: Students know a brief history of international politics.

CO2: Students enable to apply the theories and used to illustrate how each level of analysis the international system, the state, and the individual to help in organizing and conceptualizing the issues.

CO3: Students enables to demonstrate knowledge and understanding of the origin and evolution of the international political system, including contemporary ongoing changes.

CO4: Student enables to understand the major issues of the twenty first century like security, economics and transnational issues are presented and analyzed.

CO5: Students enable to introduces the evolution and important of various theories of International Relations.

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Unit I

1. Meaning, Nature and Scope of International Politics.
2. Approaches in International Politics: Realist and Idealist and Difference between both.
   Unit II
3. National Power, its Elements, kinds and methods.
4. System of Balance of Power.
5. Collective Security.
   Unit III

6. Cold War in International Politics.
7. Uni-Polar, Bi -Polar and Multi–Polar System.
   Unit IV
8. Nature of Emerging World Order.
9. United Nations organs: Aims, Objectives and Principals.
10. Non-Aligned Movement and its Relevance.

Text Books

1. Waltz, Kenneth Neal. Man, the state, and war: A theoretical analysis. Columbia University Press, 2001.
2. Mearsheimer, John J. The tragedy of great power politics. WW Norton & Company, 2001.
3. Rosecrance, Richard. "The Clash of Civilizations and the Remaking of World Order. By Samuel P. Huntington. New York: Simon and Schuster, 1996. 368p. $25.00." American Political Science Review 92.4 (1998): 978-980.
4. Waltz, Kenneth N. Theory of international politics. Waveland Press, 2010.
5. Kissinger, Henry. Diplomacy. Simon and Schuster, 1994.
6. Slaughter, Anne-Marie. A new world order. Princeton University Press, 2009.
7. NCRT text book, http://ncert.nic.in/textbook/pdf/leps101.pdf

Reference Books

1. Andre Gunder Frank, Dependence is Dead, Long Live Dependence and the Class Struggle : An Answer to Critics, World Development, 5/4, 1977.
2. Barry Buzan andOle Weaver, Regions and Powers: The Structure of International Security, Cambridge, Cambridge University Press, 2003.
3. DhirendaDwivedi, Collective Security under United Nations, New Delhi: Kanishka, 2005
4. Francis Fukuyama, The End of History and the Last Man, New York: Avon, 1992.G.K. Cahdha (ed.), WTO and the Indian Economy, New Delhi: Deep & deep, 2001.
5. Hedley Bull, The Anarchial Society: A Study of Order in World Politics, 2nd edn., London : Macmillian, 1995.
6. James Lee Ray & Juliet Kaarbo, Global Politics, Boston: Houghton Mifflin Company 2005.
7. John Baylis and Steve Smith (eds.), The Globalization of World Politics: An Introduction to International Relation, Oxford University Press, 2001
8. Ghai U. R.Indian Political System, New Delhi, 2009.
9. Burton, John, Conflict: Resolution and Provention (London: Macmillan, 1990).

Website/Links/Online Portal/ICT
1. International Relations: Nature and Scope**, http://www.indiancommunities .org/2017/10/ 17/international-relations-nature-and-scope/**

2. The Birth of the Cold War, https://escholarship.org/content/qt5n76j21d/qt5n76j21d.pdf? t=ni4afp
3. Key theories of international relations, https://online.norwich.edu/academic-programs/resources/key-theories-of-international-relations
4. The Balance of Power in World Politics, https://www.researchgate.net/publication /306091384_The_Balance_of_Power_in_World_Politics

5. Nuclear disarmament, arms control and non-proliferation,https://www.sipri.org/yearbook/2019/07

6. United Nations on Peace and Security, https://www.un.org/en/sections/issues-depth/peace-and-security/

7. National power: its elements,
http://cms.gcg11.ac.in/attachments/article/259/NATIONA L%20POWER.pdf

8. New world order, https://lif.blob.core.windows.net/lif/docs/default-source/default-library/20 11-publication-the-new-world-order.pdf?sfvrsn=4

9. Non-Aligned Movement and its Relevance.
https://www.youtube.com/watch?v=ym7PsjmxVMs

Computer Graphics (300601)

Credits 5   **L T P**
                                                                4 1 0

Input devices: Keyboard, Touch panel, light pens, Graphic tablets, Joysticks, Trackball, Data glove, Digitizers, Image scanner, Mouse, Voice & Systems.

Hard copy devices: Impact and non impact printers, such as line printer, dot matrix, laser, ink,jet,electrostatic, flatbed and drum plotters.

Video Display Devices Refresh cathode ,ray tube, raster scan displays, random scan displays, color CRT, monitors, direct view storage tube, flat, panel displays; 3,D viewing devices, raster scan systems,
random scan systems, graphics monitors and workstations.

Scan conversion algorithms for line, circle and ellipse, Bresenham's algorithms, area filling techniques, character generation.

2,dimensional Graphics: Cartesian and Homogeneous coordinate system, Geometric transformations(translation, Scaling, Rotation, Reflection, Shearing), Two-dimensional viewing transformation and clipping (line, polygon and text).

3,dimensional Graphics: Geometric transformations (translation, Scaling, Rotation, Reflection, Shearing), Mathematics of Projections (parallel & perspective). 3,D viewing transformations and clipping.

References:
1. D. Hearn and M.P. Baker, "Computer Graphics", PHI New Delhi; Second Edition, 1995.
2 J.D. Foley, A.V. Dam, "Introduction to Computer Graphics",
S.K. Feiner,J.F. Hughes, Addison,Wesley Publishing company,
R.L. Phillips. N.Y.; Second Edition, 1994.
3. R.A. Plastock and G. Kalley, "Computer Graphics", McGraw Hill, 1986.

University College of Basic Sciences & Humanities (Code:6)
B.A (601)

Physical Education-VI (601612)

Semester-VI   L T P
Credit-3   3 0 0

Theory (60 M)
1. **Recreation:-**Meaning, aim, objectives, types, importance and agencies of recreation.
2. **Camping: -** Meaning, objectives, importance, types, layout and organization of camps.
3. **Leadership: -** Meaning, importance, qualities and types.
4. **Intramural and Extramural: -** Meaning, importance and control of competition.
5. **Tournament: -** Merit and demerits and drawing all fixtures for league, knock out and combination tournament.
6. **Picnics & sports event: -** Planning & organization and importance.
7. **Posture: -** Meaning and Characterizes of Good posture (Walking, Standing, Sitting and lying) Causes and correction of poor posture.
8. **Postural deformities:-**Meaning Causes and correction exercise for spine, foot and legs deformities.
9. **Disability: -** Meaning, Causes, prevention and rehabilitation.
10. **Kinesiology: -** Meaning, scope and importance in Physical Education and Sports.
11. **Therapeutically Exercises: -** Meaning, scope, importance and classification.
12. **Occupational Health: -** Meaning, Principles and factors responsible for occupational hazards and remedial measures.

Reference:

Kang G.S. Deol N. S.: An introduction to Health and Physical Education 21st century Patiala 2008
Vannier Maryhelen: Method and material in Recreation, leadership, Philadelphia W. B. Saunders Company, 1959.
Mayer and Bright Hill: recreation   administration, Englewood cliffs, new jersey, prentice hall, incl 1961.
H.H. Clark & D. H. Clark: Development and adopted physical education, Englewood cliffs, New Jersey, Prentice Hall,1987.

Physical Education-VI (601617)

Semester-VI   L T P
Credit-2   0 0 4

Practical (40M)

Track & Field Marking   24 M
Boxing,   Cricket, Netball   16M (Any One Game)

Evaluation will be based on skill test, performance &viva voce.
Contents to be covered during the practical sessions:
- Measurement of the field and preparation of the field
- Equipments and Materials of the game/ Event.
- Fundamental skill and lead up game.
- Techniques.
- Rules and Regulations of the game/ Event.
- Officiating:
   Duties of officials
   Knowledge of score sheet
   Signals of officiating
   Technical equipment for officiating

Economics-VI (A601613)

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Semester-VI   L T P

Credit-5   5 0 0

Paper: Quantitative Methods

Course Objective:

Quantitative Methods is concerned with the analysis of economic phenomena from the perspective of the individual. The course covers the basic concepts and tools needed to undertake the analysis of such problems that arise due to the law of scarcity. The course also aims at introduction of the functioning of competitive and noncompetitive product markets and performance of the markets for resources. The students are expected to develop rudimentary understanding of how and why consumers, firms, and markets in the economy function the way they do.

SECTION-A

Concepts and Measures of Central Tendency: Mean, Median, Partition Values, Mode. Measures of Dispersion: absolute and relative measures; range, quartile deviation, mean deviation, standard deviation and coefficient of variation (excluding Lorenz Curve).

.

SECTION-B

Correlation Analysis: Introduction, Importance, Karl Pearson's Coefficient of Correlation (excluding grouped data) and Spearman's rank correlation and concurrent deviation methods, Regression Analysis: meaning and uses; fitting two variable regression equations by using least squares method.

SECTION-C

Interpolation and Extrapolation: meaning and significant uses and limitations. Method of interpolation: Newton's formula for advancing differences; Binomial expansion method; and Lagrange's method.

SECTION-D

Index Numbers: Concept of Index Number, Construction, Problems and Importance, Simple Index Numbers, Laspeyre's, Paasche's and Fisher's index numbers, Reversibility Tests.

Time Series Analysis: Components of Time Series, Determination of Trend, Moving Average Method and Least Square method.

Practical Work:

Case Studies of firms/Industry/Any Business Organisation.

RECOMMENDED READINGS

1. Archibald, C.C. and Lipsey, R.G.: An Introduction to a Mathematical Treatment of Economics, 1977, English Language Book Society, Chs. 4, 6 and 7.
2. Sanchati, D.C. and Kapoor, V.K.: Business Mathematics, New Delhi, Sultan Chand & Sons, 1993, Chs. 16, 17 and 20.
3. Gupta, S.C. : Fundamentals of Statistics, Bombay, Himalaya Publishing House, Chs. 5,6,7,8,9, 10 and 20.
4. S.P. Gupta- Fundamentals of Statistics.

Sociology-VI (B601614)

Semester-VI   L T P
Credit-5   5 0 0
Paper-Personality Development in Socialization Process

Course Outcomes:

   CO1: To understand the theory of socialization.
   CO2: Understand the Theories of Social evolution.
   CO3: To understand concept of Personality.
   CO4: To understand theory of Emile Durkheim.
   CO5: To Understand perspective of MK Gandhi.

Unit I
1. Personality: Meaning, Nature, Biological, Social and Cultural Factors in Personality Development, Defense Mechanisms.

Unit II
2. Socialization: Meaning, Process and Agencies, theories- GH Mead, S frieud, CH Cooley

Unit-III
1. Social evolution, Law of three stages- Auguste Comte.
2. Herbert Spencer: Law of Evolution; Organic analogy; Types of society

Unit IV
1. Emile Durkheim: Social Facts: Meaning, Nature and Characteristics;

   Division of Labour, Suicide.

2. Mahatama Gandhi: Non-violence; Satyagraha, Swaraj, Sarvodaya.

Books Recommended:

1. Abraham, F and Morgan J.H. 1985. *Sociological Thought*. Delhi: MacMillan India.

2. Haralambos, M.1998. *Sociology: Themes and Perspectives.* New Delhi: Oxford University Press.

3. Jammu, P.S. and Bhatnagar, G.S. (eds). 1989. *Samaj Vigyanik Sidhant* (Samajik Vigyan Pattar No. 26, 27, 28). Punjabi University, Patiala.

4. Judge, Paramjit . ;wkfie fdq;aNhe'D ns/ f;XKsH gfNnkbkL gpbhe/;aB fpUo", gzikph :{Bhtof;Nh.

   Reference Books:

 1. Sawinderjit Kaur : 1995(2011) ; wki ftfrnkB Bkb ikD gSkD,   ibzXoL fBT{ nekdfwe gpfbf;zr ezgBh

2. Abraham, Francis. 1982. *Modern Sociological Theory.* Delhi: Oxford University Press.

3. Aron, R. 1965. *Main Currents in Sociological Thought*, Vol- (1 & 2) London: Penguin Books.

4. Gandhi, M.K. 1946. *Hind Swaraj or Indian Home Rule*.Ahmedabad: Navajivan

5. Timasheff, N.S. and Theodorson, G. 1976. *Sociology Theory*, New York: Random House.

6. Mann, Michael(ed) 1994. Macmillan Student Encyclopedia of Sociology. London: Macmillan Press

7. Zeitlin, I.M. 1969. Ideology and the Development of Sociological Theory. New Delhi: Prentice Hall.

Website/Links/Online Portal/ICT
1. https://pdfs.semanticscholar.org
2. https://www.britannica.com
3. https://www.frontiersin.org
4. https://www.mkgandhi.org
5. https://www.jstor.org

Music (Vocal)-VI 601615

Semester-VI   L T P

Credit-3   3 0 0

Section A

1. Topic of essays:

  a) Kanth sadhana b) Lok sangeet of Punjab c) Role of akashwani & doordarshan towards the popularization of Indian classical music.

2. Special features of time theory of Indian ragas.

Section B

1. History of Indian music from 18th century to present period.

2.   General history of Indian musici.e. from Bharata to Sharangdeva.

3. Explain the following Gayan shailes

 a) Tappa, Tarana, Dhamar, b) Bhagan & shabad

Section C

1. . Knowledge of writing notations of Vilambit Khayals & Drut khayal in the prescribed ragas:

a) Durga, b) Vrindavani_sarang c) Madhuwanti

2. Development & importance of Indian notations system of music, its merits & demerits.

3.Different Gayan shaillies of Gurmat sangeet.

Section D

1. define the following musical terms in the context of Gurmat sangeet;

  a) kirtaniya b) Dhuni C) Paudi d) Bandana   E) Chowki

2. Elementary Knowledge of the following Ragas:

a) Multani, b) Marva c) Poorvi

RECOMMENDED READINGS

1. Dr.Mrieunjaya Sharma,Dr.Ram Narayan: Sangeet manual; H.G Publications Dehli
2 Dr.Yaspal Sharma: Gayan Kalan; Punjabi University Patiala.
3. Dr. Suman Lata: Hindustani Shastri Sangeet Avam Vyavyar; Karnal Publications.
4. Dr.Davinder kaur :   Sangeet roop; Sangeetanjali Publications Patiala
5. Shankar Lal Mishra & alka Katyal: Sangeet Shaster Vivechan, Punjabi University Patiala

Music (Vocal)-VI (Practical) 601616

Semester-VI   L T P
Credit-2   0 0 4
Performance

1. One Drut khayal with alaps & tanas in each of the following:

a) Miyan ki Todi b) Ramkali c) Miyan Malhar d) Behag

2. Ability to play the following taals on tabla:

   a) Tivra b) Dhamar c) Tilwara

3. One Tarana with proper style, in any of the Ragas prescribed in the Syllabus.

4. Tuning of Tanpura.

5. Two Slow khayals in prescribed Ragas.

6. Gazal/ Suffiana Qalam in prescribed Ragas with Proper Gayaki.

Religious Studies-VI (A601618)

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Semester-VI   L T P

Credit:-5   5 0 0

ਸਿੱਖ ਧਰਮ ਗ੍ਰੰਥ, ਸਿਧਾਂਤ ਅਤੇ ਸੰਸਥਾਵਾਂ

(The Sikh Scripture, Thoughts and Institutions)

Unit- I

ਸਿੱਖ ਧਰਮ ਦੇ ਮੁੱਢਲੇ ਸ੍ਰੋਤ

1.   ਸ੍ਰੀ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ: ਸੰਪਾਦਨ ਅਤੇ ਵਿਚਾਰਧਾਰਾ

2.   ਦਸਮ ਗ੍ਰੰਥ: ਮੁੱਢਲੀ ਜਾਣ-ਪਛਾਣ

3.   ਵਾਰਾਂ ਭਾਈ ਗੁਰਦਾਸ ਜੀ : ਸਿੱਖ ਪੰਥ ਦਾ ਸਰੂਪ , ਵਿਚਾਰਧਾਰਾ

Unit- II

ਪ੍ਰਮੁੱਖ ਬਾਣੀਆਂ

4.   ਜਪੁ: ਵਿਸ਼ਾ-ਵਸਤੂ

5.   ਸੁਖਮਨੀ: ਵਿਚਾਰਧਾਰਾ

6.   ਬਾਰਹਮਾਹ ਮਾਝ: ਪ੍ਰਕਿਰਤੀ ਚਿਤਰਨ ਅਤੇ ਮਨੁੱਖੀ ਜੀਵਨ ਦਾ ਉਦੇਸ਼

Unit- III

ਪ੍ਰਮੁੱਖ   ਸਿਧਾਂਤ

7.   ਅਕਾਲ ਪੁਰਖ

8.   ਸ੍ਰਿਸ਼ਟੀ ਰਚਨਾ

9.   ਸ਼ਹਾਦਤ

Unit- IV

ਸਿੱਖ ਸੰਸਥਾਵਾਂ

10. ਲੰਗਰ/ਪੰਗਤ, ਸੰਗਤ

11. ● ਧਰਮਸ਼ਾਲ ਅਤੇ ਗੁਰਦੁਆਰਾ

12. ਗੁਰਿਆਈ ਸੰਸਥਾ

ਸਹਾਇਕ ਪੁਸਤਕਾਂ:

1. **ਸ੍ਰੀ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ ਵਿਲੱਖਣ ਤੱਤ,** ਡਾ. ਵਜੀਰ ਸਿੰਘ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

2. **ਆਸਾ ਦੀ ਵਾਰ ਦਾ ਟੀਕਾ,** ਸੰਪਾਦਕ ਡਾ. ਰਤਨ ਸਿੰਘ ਜੱਗੀ, ਆਰਸੀ ਪਬਲਿਸ਼ਰਜ਼, ਦਿੱਲੀ।

3. **ਸੁਖਮਨੀ ਸਾਹਿਬ ਦਾ ਦਾਰਸ਼ਨਿਕ ਆਧਾਰ,** ਡਾ. ਜੋਗਿੰਦਰ ਸਿੰਘ।

4. **ਗੁਰਮਤਿ ਵਿਚਾਰਧਾਰਾ,** ਪ੍ਰੀਤਮ ਸਿੰਘ, SGPC, ਸ੍ਰੀ ਅੰਮ੍ਰਿਤਸਰ ਸਾਹਿਬ।

5. **ਬਾਰਹਮਾਹਾ ਸਟੀਕ,** SGPC, ਸ੍ਰੀ ਅੰਮ੍ਰਿਤਸਰ ਸਾਹਿਬ।

Punjab History & Culture (601619)

Semester-VI   L T P
Credit:-5   5 0 0

Section A

1. Rise of Sikh Misals: Their nature and Administration.
2. Principal sources for the study of Maharaja Ranjit Singh's reign.

Section B

3. Political condition of the Punjab in late 18th Century.
4. Maharaja Ranjit Singh's rise to power with special reference to his relations with Misals.

Section C

5. Ranjit Singh: His Civil and Military Administration.
6. Relation with the British (1805-1839 AD).

Section D
7. Society and economy of the Punjab under Ranjit Singh.
8. Development of Punjabi Language and Literature classical writing and famous legends of the Punjab.

GURU KASHI UNIVERSITY

University College of Basic Sciences & Humanities (Code:6)

B.A (601)

Fashion Designing-VI (601620)

Semester-VI   L T P

Credit-3   3 0 0

SECTION-A

1.   Design in Fashion
      (a)   Neckliness : Round, U.V. Scoops, Jewel, Glass, Sweet Heart, Boat, Tank top, Off one shoulders.

      (b)   Collars : Peter Pan, Cape, Chinese, Tennis, Chelsca, Bishop, Sailors, Rippled.

      (c)   Sleeves : Plain, Puffed, Leg 0 mutton, Flare, Raglon, Kimono, Ruffle, Tulip, Hanky.

2.   (a)   Yokes : Round, Straight, square, Triangle, Saddle, Pointed, Asymetrical, U.

      (b)   Skirts : Novelty gathered, Two tied, A line, Gored, Pegged, Hip   rider, Full circular, Tulip, Wrap around, Accordian pleated,
             Handker Chief, Divided, Shirred.

SECTION-B

3.   Basic Terminology : Layout, Ann hole, Placket, Bias band, Slit, Facing, Alteration, Fork, Fly, Scallop, Scam allowance, Dummy, Wrap, West, Gusset.

4.   Disposal of fullness in a garment.

SECTION-C

5.   (A)   Colour Scheme & Colour Wheel :

      (B)   Depicting Texture & Patterns in Fashion Drawing.
             a.   Lace
             b.   Valvet
             c.   Satin
             d.   Knits

6.   Relation of colours to Human personality
             (i)   Importance of Colour
             (ii)   Consideration to choose the proper dress for different occasions climatic conditions, Seasons, Vocations etc.

SECTION-D

7.   Ancient Indian Costume :

Gupta Period :
Textiles, Dyes, Styles & Jewellery of Military & Religious persons costume.

Kushan Period :
Textiles, Dyes, Styles & Jewellery of Military & Religious persons costume.

Mouryan & Sunga Period :
Textiles, Dyes, Styles & Jewellery of Military & Religious persons costume.

Satavahana Period :
Textiles, Dyes, Styles & Jewellery of Military & Religious persons costume.

BOOKS RECOMMENDED

1.   Professional Fashion Illustrations by Julian Seaman.
2.   Dress Pattern Designing by Nata Lie Bray
3.   Garment Technology for Fashion Designers by Gerry Cooklin
4.   Fashion Drawing : The Basic Principals by Anne Allen & Seaman.

Fashion Designing-VI (practical) (601621)

Semester-VI   L T P

Credit-2   0 0 4

1.   Designing & Sketching.
          (a)   Evening gowns
          (b)   Beach wear

2.   Samples of Tie & Dye & Block Printing.

3.   Designing & Construction of gathered and party wear frock, nighty & gown, Night
          suit, Any Designer Suit.

           BOOKS RECOMMENDED
 1.   Garment Construction Skills by Prem Lata Mullick
2.   Ancient Indian Costume by Roshen Alkazi
3.   Indian Dress by Charles Fabri
4.   Fundamentals of Textiles by Susheela Dantyagi

Home Science-VI (601622)

Semester-VI   L T P

Credit- 3   3 0 0

Entrepreneurship Development

Section - A

Entrepreneurship-a) Definition and Concept of entrepreneurship ,b) Need of entrepreneurship,c) Types of entrepreneurship,d) Characteristics of entrepreneur

Project Proposal - a) Meaning & Concept of Project b) Guidelines for Project proposal c) Importance of Project proposal d) Content of Project report

Section B

Women Entrepreneurship- a) Concept & Characteristics of Women entrepreneurship. b) Qualities of Women entrepreneur c) Problems & Remedies for Women entrepreneurship d) Policies for Women entrepreneurship- Central & State level

Home Science Education and Entrepreneurship- a) Scope of Home science Education for Entrepreneurship b) Funding agencies - Central, state and others c) Finance Management d) Special funding schemes for women entrepreneurs

Home Science-VI (601623) (Practical)

Semester-VI   L T P
Credit- 2   0 0 4

1. Preparation of detail project report on any relevant topic

2. Study visit to any small or large scale relevant industry

3. Interview of successful women entrepreneurs in the relevant field

OR

Preparation of project proposal

4. Training for a week on any relevant small or large scale enterprise

References:

1. Entrepreneurship Development, Taneja and Gupta S.L., New Venture Creation,

Galgeha Publication Company, New Delhi.

2. Entrepreneurship Development, Desai V. Himalaya Publication House, Mumbai.