

	A	B	C	D	E
1	Science Stream				
2	Physics				
3	COURSE OUTCOMES (CO)			Programme outcomes	
4	CO1	The students are made to understand the application of vector theorem, relativity, Newtons laws of motion and special theory of relativity. The students studied the use of sextant for measuring heights of tower and buildings.	Graduate will be able to demonstrate the physical concepts appropriate of physics by connecting the techniques to meaning rooted in. They can also apply scientific analysis and skills to other disciplines and a		
5	CO2	Students are made to understand the fundamental properties of electric charge, solve numerical problems of electrostatic force, calculating the magnitude and direction of magnetic field.			
6	CO3	The students learnt the basic concepts of thermodynamics, general energy equation, mass energy and perfect gas laws.			
7	CO4	The students learnt the essential physical aspects of the phenomenon of waves , polarisation, interference and diffraction.			
8	CO5	The students learnt the basic properties of atomic and nuclear physics, Gamow theory, Alpha and Beta decay, and main aspects of quantum mechanics'.			
9	CO6	The student learnt the elastic properties of solids and lattice vibrations, semi conductor devices , transistors and concept of Brillion zones			
10	Chemistry				
11	COURSE OUTCOMES (CO)			Programme outcomes	
12	CO1	The students developed the knowledge about the basic concepts of wave mechanics and trends of periodic properties. The students were able to perform the experiment of inorganic synthesis.			
13	CO2	The students were able to understand the nomenclature of basic chemistry and stereochemistry , The students came to know the importance of aromatic and oxygen bearing compounds. Acquired skill in qualitative analysis.			

	A	B	C	D	E
14	CO3	The students possessed the knowledge regarding mathematical concepts ,and chemical kinetics. They understood the aspects of thermodynamics and its functions. The students were able to determine the viscosity and surface tension successfully .	Graduates measuring in the sub understanding of fundamental through performance on as scientific communication sk communicate results of laborat research		
15	CO4	The students acquired the knowledge of p block elements and nuclear chemistry ,transition and inner transition elements .they also gained the knowlege of coordination and bio inorganic chemistry.The students performed the experiments regarding gravimetry,tritimetry and spectrophotometry.			
16	CO5	Students acquired knowledge about oxygen bearing compounds II ,amines and nitrogen bearing heterocyclic compound's Acquired sufficient skill in handling equipment/procedures used in chromatographic techniques .			
17	CO6	The students were able to understand the fundamental aspects of equilibrium and thermodynamics, electrochemistry, photochemistry and quantum chemistry the students will expertise the skills related to Conductometry,pH metry and Refractometry			

Botany

18					
19	COURSE OUTCOMES (CO)		Programme outcomes		
20	CO1	The students understand the concept of cell, the basic unit of life, cell organelles, laws of heredity by Mendel. Distinguish between prokaryotic and eukaryotic cells, study of chromosome structure at different stages of cell division.	Graduate will be able to demonstr relationship between structure an molecular ,cellular and organisma conduct in scientific activities.		
21	CO2	The student understand the soil properties of soil, bio fertilisers, harvesting and management of water for irrigation. The students learned the preparation of fertilisers ,Training and pruning of orchard trees canopy management...			
22	CO3	The student learned lower and higher groups of plant, diversity in organisation of structure. Students were given demonstration for the preparation of herbarium and demonstration for the description of angiospermic family by using semi technical languages.			
23	CO4	Students understand the anatomy of root shoot and leaf Also they understand the structure of flower which are reproductive bodies of the flower. Demonstration of dissection of flower,Study of pollen and understanding the section cutting of plants.			

	A	B	C	D	E
24	CO5	Developed the concept of plant physiology transport system in plants, Photosynthesis and Respiration. The students were able to perform the separation of chloroplast pigments			
25	CO6	The students understood the ecological adaptation of different plants ,population and community.The students were able to analyse the separation of oil and starch from various plants			
26	Zoology				
27	COURSE OUTCOMES (CO)		Programme outcomes		
28	CO1	Students were familiar with animal classification and associated taxonomy groups, animal evolution, form and function.	Graduate will be able to explain h at the level of the gene, genome organ-system. Drawing upon this be able to give specific example adaptation, development, reproduc different forms of life..		
29	CO2	The student developed the knowledge of embryonic development ,concept of evolution,National parks and wild life management.			
30	CO3	Comparative anatomy gave students a glimpse into the anatomical similarities and differences between different animal species			
31	CO4	Students developed the knowledge and skills about the basis of genetic variation ,molecular and cellular genetics..			
32	CO5	Students got familiarity with the immune effector mechanism and various immune techniques both in theory and practical's.			
33	CO6	The students were able to understand the different levels of biological organisation from molecules to cells and cells to organisms.			
34	Electronics				
35	COURSE OUTCOMES (CO)		Programme outcomes		
36	CO1	Students will learn to understand operations of semi conductor devices, apply concept for the design of regulators and amplifiers and implement many projects based on concept of electronic circuit..	Graduates will be able to utilise t mathematics, science and engin electronic and communication e design, the component syste		
37	CO2	Students are able to understand different number systems and their conversion. They are able to understand the concept of programmable devices, D.C. and A.C. network.			
38	CO3	Students are able to understand the concepts of Amplifiers and oscillators, their types and uses in different applications.			

	A	B	C	D	E
39	CO4	Student will be able to run 8085 Microprocessor based system. they learnt design systems using memory chips and peripheral chips for 8085 microprocessor.	design the component system requirements of public safety and societal and environmental conce		
40	CO5	Students learnt how to analyse the performance of base-band and post-band signals, they are able to understand how to perform the time and frequency domain analysis of the signals in a digital communication system.			
41	CO6	Students are made to understand the operation of different instruments, different terminology related to principles and measurements of various types of transducers and sensors.			
42	Mathematics				
43	COURSE OUTCOMES (CO)		Programme outcomes		
44	CO1	The students were made to understand the differential calculus and complex trigonometry	Graduates can demonstrate basic algebra ,geometry, trigonometry a proficiency in writing proofs.		
45	CO2	The students possess the knowledge regarding plane and solid geometry and how it can be used in day to day life			
46	CO3	The students acquired the knowledge regarding integral calculus and theory of equations .			
47	CO4	They understood the importance and application in computer sciences and different branches of science			
48	CO5	The students were made to understand the real analysis and advance calculus and its uses in different branches of engineering.			
49	CO6	The students were able to understand the modern algebra and advanced calculus.			
50	Environmental Science				
51	COURSE OUTCOMES (CO)		Programme outcomes		
52	CO3	The students learnt how to analyse the health of an ecosystem, to conserve the ecosystem through a sustainable approach, how to use and encourage water harvesting techniques ,water shed management .The students were also made to understand the concepts of sustainable development ,organic farming ecotourism etc. .	Graduates will be able to demo mathematical concepts including		

	A	B	C	D	E
53	CO4	The students study how to evaluate the impact of anthropogenic activities in the environment, the concepts of climate change, stratospheric ozone layer depletion etc. Growing Environmental problems. the students also learnt how it would be motivated to work individually and collectively to solve the present environmental problems and prevent the future ones.	field and laboratory data. To study .They can use GIS to solve geo s can design and execute scientific p		
54	Commerce Stream				
55	BACHELOR OF COMMERCE				
56	COURSE OUTCOMES (CO)		Programme outcomes		
57	CO1	The Students learnt the Basic Accounting Procedures and, Accounting standards ,Nature and Scope of economics ,production and cost analysis, Entrepreneurship as career choice, marketing and its traditional and modern concepts.	After completion of the program equipped with fundamentals of The curriculum offers a special exposure which would encourage face the modern day challenges institutions. It offers number of ensures that they are trained accounting and management introductory level. Apart from the be able to deal with various tax iss		
58	CO2	The students Learnt about Branch accounts, statistics and collection of data, Evolution of money monetary standards, fundamentals of selling product and customer knowledge			
59	CO3	The Studied about companies and accounts of banking companies regulation Act,1949, Indian contract Act, 1872,negotiable instrument Act1881,Basis and theories of international trade, Advertising and decisions in advertising.			
60	CO4	The students Learnt about company and its registration procedure and management, NCLT, Management in general, public finance and its source, retailing and applying retail strategy			
61	CO5	The students Learnt cost accounting system, basic rules of income tax Act,1961, Computation of taxes, procedure of export and import in India and documentation.			
62	CO6	The Students got familiarization of the auditing importance, documentation, business environment and its factors , concept and objectives of investment and avenues.			
63	<u>BBA Stream</u>				
64	BACHELOR OF BUSINESS ADMINISTRATION				
65	COURSE OUTCOMES (CO)		Programme outcomes		

	A	B	C	D	E
66	CO1	The Students acquired the knowledge about Management Principles, thoughts and work specialization, Basic Economic problems and their solutions, Accounting concepts and conventions, Basics in Computer Applications in Business	After completing the program, the students will be equipped with the knowledge and skills to effectively manage the challenges in a dynamic business environment. The program offers value based courses and ensures the students acquire the desired skills. Apart from this students will be able to deal with various business administration tasks.		
67	CO2	The students Learnt about Business Communication, its barriers and overcoming, Financial Accounting Standards, Consignment and Joint Venture Accounts.			
68	CO3	The students studied and learnt the Financial System and its components, Management Accounting and its Role in Decision making, Mathematical basis of Managerial Decisions and its applications, India Business environment, International environment, Entrepreneurship Development Programs, Procedure, Formalities for Registration.			
69	CO4	The students learnt and understood Marketing and Marketing Environment, consumer behaviour and market Segmentation, to have concept of Product Planning and Development and factors affecting product price			
70	CO5	The students came to know about Strategic Management formulation and Strategic implementation, Industrial relations Perspectives and Grievance Redress Mechanism, Models of E-commerce and to learn Research Operations, Network Analysis and Project Management.			
71	CO6	The students acquired the knowledge of Income tax laws and to learn computation of tax on salaries, Income from House Property and other sources of Income, Challenges to Service Marketing and to know about Liberalization, Privatization & Globalization (LPG), Public Administration, Administrative Laws and Fundamentals of Tourism.			
72	<u>Arts Stream</u>				
73	General English				
74	COURSE OUTCOMES (CO)			Programme outcomes	

	A	B	C	D	E
75	CO1	Understand and Analyse different genres of poetry with special reference to Sonnets. Understand the Art of writing of essays and comprehension of the philosophy of the writers like Bacon, Lamb and Benson Short stories as a guide to life. Understanding the art of paragraph writing, Reading comprehension, Phonetics and syllable division.	The graduates should have acquired writing and speaking English pronunciation, stress and intonation got familiar with different genres should have acquired the taste students should have got linguistically and grammatically and can demonstrate the awareness of literature in different national, political and cultural contexts.		
76	CO2	Understand and Analyse different genres of poetry with special reference to Odes of W.Blake and Pope Understand the Art of writing of essays and comprehension of the philosophy of the writers like George Orwell and Hawking Teaching life experiences through short stories of Leo Tolstoy, Prem Chand and Sarda H Mantoo. Learning Grammar like Tenses, Articles and Punctuation and art of translation			
77	CO3	Understand and Analyse different genres of poetry with special reference to lyrics of Wordsworth and Coleridge. Understanding Dramas by G.B. Shaw and Anton Chekov as the art of life. Learning from the Biographies of Abraham Lincoln and Dr. Sir Mohammad Iqbal. Learning Art of writing through agreement of subject and verb and Narrations			
78	CO4	Understand and analyse the Poetry by Lord Tennyson, Matthew Arnold and T.S. Eliot Understanding Dramas by J.M. Synge, J.B. Priestly and Laurence Housman. Learning from the Biographies of Albert Camus, Mother Teresa and Margaret Thatcher Learning art of Report and Letter writing.			
79	CO5	Understand and Analyse different genres of poetry with special reference to Poetry of R. Frost and A.K. Ramanujan. Understanding and Analyse the writing of Amartya Sen, Jawahar Lal Nehru and Martin Luther King Jr. Learning art of essays, Precise and summary writing Learning the art of Transformation of Sentences			

	A	B	C	D	E
80	CO6	Understand and analyse the Poetry by Agha Shahid Ali, Derek Walcott and Margaret Atwood. Understanding the art of Prose writing of Ngugi wa Thiong'o and Zadie Smith. Learning the art of Advertisement and E-mail writing. Learning the use of Models.			
81	Education				
82	COURSE OUTCOMES (CO)		Programme outcomes		
83	CO1	To study about the scope of educational sociology. To learn about the factors and relationship of social change .To understand education as a sub-system of social-system. To develop knowledge regarding social problems.	Student will receive high quality education with discipline of psychology and learning critical thinking skill expected of scientific training. To recognize the need for, and have the ability to engage in independent learning in the broadest content of technology		
84	CO2	the study about the scope of educational psychology and its different theories of learning. They are made to understand the different laws of learning and their educational implications.			
85	CO3	To study different branches of philosophy. To understand the educational implications of idealism in terms of (1) Aims of education (2) Methods of teaching(3) Curriculum in education (4) Freedom and discipline(5) Role of teachers. To explain the pragmatism in education with reference to aims, methods, and curriculum and role of teacher.			
86	CO4	To understand the salient features of Vedic and Buddhist education. To analyze the different recommendations given by commission and committees during the educational system in British India. Students are able to know about different schemes that have been developed in India since independence.			
87	CO5	To understand the concept of secondary education and its objectives. To understand the role of education in the empowerment of women,to analyze and evaluate different flagship programmes (SSA, RMSA, RUSA) of secondary and Higher education. To study the need and importance of human values and human rights.			
88	CO6	To understand the important features of distance education. To study the need and importance of Adult education. To have a basic understanding about the exceptional children .To explain the different types of Guidance and counselling.			

	A	B	C	D	E
89	Sociology				
90	COURSE OUTCOMES (CO)		Programme outcomes		
91	CO1	Students were made to understand the nature and subject matter of sociology and how it is related with other social sciences. They also acquired the knowledge about the basic concepts of sociology.	Graduate are able to inculcate knowledge and skills. They are able to understand different schools of thought of sociology and have developed a scientific temper to analyse sociological issues using research methods.		
92	CO2	The students developed how to analyse the theoretical concept of Emile Durkheim and Karl Marx. They were also made to understand the theoretical explanation of Max Weber regarding social action, protestant ethic and the spirit of capitalism.			
93	CO3	To study the different types and changes in the institution of marriage, kinship and its usage, evolution of religion and its role in the society.			
94	CO4	The students studied the outcome composition of Indian society, the Panchayati Raj system, the process of social change in India, outcome composition of Indian society and the concept of unity in diversity.			
95	CO5	The students were familiarised with various sociological perspectives. They were made to understand the evolutionary theory as given by August Comte and Herbert Spencer and also were made to understand conflict theory according to the ideas of Karl Marx and Ralf Dahrendorf.			
96	CO6	The students learnt nature and scope of social research, scientific method and its concepts. They also learn sampling, observation, questionnaire and interview as methods of social research, types advantages and disadvantages.			
97	Economics				
98	COURSE OUTCOMES (CO)		Programme outcomes		
99	CO1	Understand the concept of income, cost, rent, wages etc and their applicability in the practical world. To understand the knowledge related to actions of consumers and firms and their applicability.	To develop skills that are of use in various careers, Primarily in professional careers.		
100	CO2	To understand how to apply economic theories and quantitative methods to the analysis of historical evidences. To understand elementary models for macro economic analysis.			

	A	B	C	D	E
101	CO3	To understand the concept of money ,its functions and financial institutions and its role in the economy . To understand the role of markets and other financial institutions in coordinating the actions of individual agents.	occupation. To develop students the analytical thought, quantitative range of teaching methods. Learned how to identify and find relevant to analysing practical economic data.		
102	CO4	To understand economic development concepts and their measurements. To understand economic planning and its applied field.			
103	CO5	To understand the agricultural problems and their solutions within the context of overall national development. To understand the industrial problems and their solutions.			
104	CO6	To understand basic techniques of statistical analysis to economic data. To understand how to apply basic quantitative methods to the analyses of historical evidence.			
105	Political science				
106	COURSE OUTCOMES (CO)			Programme outcomes	
107	CO1	The course makes the students aware about the basic concepts of political science .the course introduces students top various theories of politics and current debates in political theory			
108	CO2	The students learn what political thought means and how it is different from political theory and political philosophy. Political philosophies of different political philosophers from western world are evaluated which enriches the political comprehension of students			
109	CO3	It provides insight about global politics and global political issues. Students have an opportunity to learn about the interaction among the states, the causes of conflict among states and the means to resolve those conflicts.	The program of political science students politically aware .it in various political theories and enhance their comprehension.		
110	CO4	Comparison is at the heart of this course .It embraces the cross national and gross regional comparison as well as "within country" studies to know the similarities and difference between different political system. The comparison is important for accurate description and theory building and testing.	Students come across the similar various political systems to understand them . it provides a broad knowledge of local and national issues and contributes to the enrichment of their learning.		

	A	B	C	D	E
111	CO5	The thrust of this course is to make students acquainted with the Indian political system since independence. It introduces students to the constitution of india , the organisation and functioning of various political institutions , the type organisation and functioning of government.	Contributing to the enrichment of students. Students become aware about the political systems ,get to know about the role they have to play for the betterment of the nation and state as a whole		
112	CO6	The course is intended to make students understand the political situation of J&K state before independence. The students become aware about the circumstances under which J&K acceded to india, the issues in J&K's relations with the Indian union, the working of various political institutions within J&K state.			
113	History				
114	COURSE OUTCOMES (CO)		Programme outcomes		
115	CO1	Students learnt how to analyse and interpret primary documents and secondary and how to evaluate historical event in india..	Graduate are able to develop independent thinking and solve problems and are able to justify a decision. They can recognise the internal fragmentation of the state. They can also demonstrate the knowledge of ancient medieval and modern history.		
116	CO2	Students developed the knowledge of identification and analysing the key facts of ancient Kashmir and its contact with neighbouring world, experience its impact on economy , religion and culture of Kashmir.			
117	CO3	Students learnt how to identify and understand the medieval sources of india and advent of foreigners, foreign conquests and their impact on Indian administration. They will learnt to understand and explain the rise and fall of great dynasties.			
118	CO4	The students have learnt how to identify and explain foundation and contribution of shahmiri dynasty in Kashmir. They will learn about the technology , economy , education and social harmony in medieval Kashmir.			
119	CO5	The students acquired the knowledge and understanding of expansion and consolidation of British empire. They also learnt how to comprehend national movement and the emergence of Gandhi as national leader.			
120	CO6	The students were made to understand the foundation of J&K state, education and health in modern J&K state, also they learnt the political awakening and foundation of Muslim conference			

	A	B	C	D	E
121	Urdu				
122	COURSE OUTCOMES (CO)			Programme outcomes	
123	CO1	The students were made to understand Gazal Ke maneji, Masnavi ki shinakhet aur Nazim, Adbi Iztilihat.		Graduates have acquired the knowledge of Urdu grammar and vocabulary, they can understand short passages in Urdu and can engage in short spoken discourse.	
124	CO2	They acquired the knowledge of urdu Nasr Ka Aagaaz, Mukatibi Galib, Adbi Ehmiyat aur Sir Syed Hali, Shibli Ki Nasr Nigari. They also learnt Afsaney Ki Synfy Shinakhet Aur Iske Ansir.			
125	CO3	The student also studied Mersiya aur isKe Juz, Kasheeda aur Urdu Gazil Ki Idat, they also were made to understand Adbi Mozu par Mazmoon.			
126	CO4	The students developed the knowledge of Nasr of Abu Kalaam Azad, Abdul Haq, Ali Ahmad Saroor, Criticism of Rasheed Ahmad Sidiqi and KAnhaya lal Kapoor. Afsana of Bedi and Kuratul Ain Hyder.			
127	CO5	The students were made to understand Jadeed Urdu Gazil ki Khasusiyat e.g., Khalilul Rahman Azmi, Perveen Shakir aur Hamid Kashmir. Jadeed Urdu Nazim ki Khasusiyat was also made to understand and also Khaka nigari..			
128	CO6	The students learnt about tareekhi Urdu Adab e.g., Fort William College , Aligarah tareekh-e-pasand jammu Aur Kashmit mae Urdu Zabaan Aura dab, Adbi Tankeed were also made to understand.			
129	English literature				
130	COURSE OUTCOMES (CO)			Programme outcomes	
131	CO1	The students learnt poetry related to Shakespeare ,Donne, Milton and Lake. They were also made to understand the history of English literature-I, communication skill, modern novels written by Lawrence. .		Graduates can demonstrate coherent writing in different genres(literary analysis and creative writing) and can also understand texts in their social and cultural contexts and can also possess the ability to appreciate alternatively defined traditions.	
132	CO2	The students were made to understand the short stories given by Guy de Maupassant and Somerset Maugham. They also learnt poetry –II by WordsWorth, Shelley, Keats.			
133	CO3	The students studied novel written by Charles Dickens. They also acquired the knowledge of Non- Fictional prose, History of E and poetry III			
134	CO4	The students were given the knowledge deviated to literary terms, Drama II written by Shakespeare. They also acquired the knowledge related to modern novel-I and poetry-IV.			

	A	B	C	D	E
135	CO5	The students learnt modern Drama and novel-II. They were also familiarised with ancient Greek thought and contemporary poetry written by Imtiyaz Dharker and Aga Shahid Ali.	alternatively defined tradition of colonial and world literature..		
136	CO6	The students developed the knowledge of Indian English novel by R.K. Narayan. They also learnt Indian English Drama written by Mahesh Dattani. They were also made to understand kashmiri literature in translation and modern thought.			

	F	G		
1				
2				
3	(PO/PSO)			
4	<p>strate and understand e to introductory level e terms, tools and n the physical world. d technical knowledge areas of study.</p>			
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6				
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8				
9				
10				
11			(PO/PSO)	
12				
13				

	F	G
14	Subject will demonstrate chemical concepts assignments, effective	
15	will, interpret and laboratory experiments and	
16		
17		
18		
19	(PO/PSO)	
20		
21	rate and recognise the and function at all levels;	
22	l. Demonstrate ethical	
23		

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25		
26		
27	(PO/PSO)	
28		
29	ow organisms function	
30	cell, tissue, organ and	
31	knowledge, they will	
32	s of the physiological	
33	tion and behaviour of	
34		
35	(PO/PSO)	
36		
37	he basic knowledge of	
38	earing in the field of	
	ngineering. They can	
	ne that meet the	

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39	ns that meet the	
40	offer solutions to the	
41	n.	
42		
43	(PO/PSO)	
44		
45	manipulative skills in	
46	and beginning calculus,	
47		
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49		
50		
51	(PO/PSO)	
52	ustrate how to apply	
	statistical methods to	

	F	G
		scientific phenomena spatial problems .they projects
53		
54		
55		
56		(PO/PSO)
57		the students would be business and finance.
58		isation and practical e and equip them to
		nges in commercial job oriented courses,
59		and up-to-date in courses beyond the
60		is the students would ues.
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64		
65		(PO/PSO)

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67		
68	he students would be edge of business s. The students would s the present business	
69	ed and job oriented ts have acquired the ents would be able to trative issues.	
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72		
73		
74	(PO/PSO)	

	F	G
75		
76	ed the skills of reading p proficiently with proper ion. They should have res of literature and e for literature. The fficiency of writing ccurate English. They	
77	f English language and historical , social ,	
78		
79		

	F	G
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81		
82	(PO/PSO)	
83	<p>Education in the diverse learn communication of of an individual with the preparation and and life -long learning logical change.</p>	
84		
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	F	G
89		
90	(PO/PSO)	
91	<p>ate the sociological le to analyse different gy. they have also , and to deal with methodology.</p>	
92		
93		
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95		
96		
97		
98	(PO/PSO)	
99	<p>value for subsequent nal and managerial</p>	
100		

	F	G
		is of practical issues, technique and using a
101		he factual information
102		conomic issues.
103		
104		
105		
106		(PO/PSO)
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108		
109		is intended to make introduces students to ances then theoretical
110		ties and differences of stand the best political wledge about global , tivate their mind for of political discourse

	F	G
	of political discourse.	
111	e working of different ut their rights and the tterment of all people	
112		
113		
114	(PO/PSO)	
115		
116	pendent ideas on key	
117	nd defend them. They entation of the Indian	
118	onstrate and effective d modern India.	
119		
120		

	F	G
121		
122	(PO/PSO)	
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125	knowledge of basic urdu	
126	have the ability to urdu writing and to	
127		
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130	(PO/PSO)	
131		
132	ent writing in multiple (ive writing) as well as	
133	pretive methods. They	
134	culture and historical s an awareness of	

	F	G
135	en as women's, post	
136		