

NETAJI SUBHAS UNIVERSITY

SYLLABUS FOR UNDER GRADUATE PROGRAMME
CHOICE BASED CREDIT SEMESTER SYSTEM (CBCS) 2019



B. A. (HONS) Program in Political Science
DEPARTMENT OF POLITICAL SCIENCE

EXAMINATION FRAMEWORK FOR UNDER-GRADUATION ARTS

Faculty of Arts and Humanities: The performance of the learners shall be evaluated into two components. The learner's performance shall be assessed by Continuous Internal Assessment with 30% marks in the first component by conducting the Semester End Examinations with 70% marks in the second component.

For the courses without Practical :

SL.No.	Evaluation type	Marks
1	Mid-Term test (subjective/objective)	15
2	Assignments/Projects/Posters/Quiz/Seminar	10
3	Classroom attendance and active participation with leadership qualities, good manners and articulation in routine class instructional deliveries (case studies/ seminars/ presentation)	5

End-Semester Examination (ESE)

(a) The question paper for the ESE will be got set by the controller of Examinations of the University by a panel as he/she deems appropriate. The question paper will be moderated by a teacher from the concerned Department nominated by the Head of the Department.

(b) A candidate who does not pass the ESE in any course or is not able to appear due to some reason shall be permitted to appear in such failed course in the subsequent semester as the case may be.

(c) The examinees will be allotted three hours for answering these questions.

The question papers for the End Semester Examination (ESE) may have the following patterns :

Part	Particulars	Marks
A	10 objective type questions (MCQ/ True-False/Fill in the Blanks etc.) for 2 marks each.	10 X 2 = 20
B	8 short answer (25 words) type questions, of which 4 have to be answered for 5 marks each.	4 X 5 = 20
C	4 questions of long answer (400 words) type, of which 2 have to be answered for 15 marks each.	2 X 15 = 30
		Total = 70

Netaji Subhas University, Jamshedpur
Course Content of Political Science Under
B.A.(Hons)

Semester	Courses	Credits	Examination	Full marks	Pass marks
I	Core Course -1(CC-1)- Introduction to Political Theory	(5+1)=6	Semester End	70	28
			Internal Assessment	30	12
	Core Course -2(CC-2)-Political Ideas And Concept	(5+1)=6	Total	100	40
			Elective(GE-1)	(5+1)=6	
	AECC-1- Eng. Communication/MIL Communication	2	Semester End	30	14
			Internal Assessment	20	06
Total			50	20	
II	Core Course -3(CC-3)- Ancient Indian Political Thinkers	(5+1)=6	Semester End	70	28
			Internal Assessment	30	12
	Core Course -4(CC-4)-Modern Indian Political Thinkers	(5+1)=6	Total	100	40
			Elective(GE-2)	(5+1)=6	
	AECC-2- Environmental Science	2	Semester End (OMR Sheet)	50	20
III	Core Course -5(CC-5)-Introduction to Comparative Politics	(5+1)=6	Semester End	70	28
			Core Course -6(CC-6)-Comparative Government And Politics of Major Constitutions of The World	(5+1)=6	Internal Assessment
	Core Course -7(CC-7)- Political Sociology	(5+1)=6			Total
			Elective(GE-3)	(5+1)=6	
	SEC-1- General Knowledge & Current Affairs	2	Semester End (OMR Sheet)	50	20

Semester	Courses	Credits	Examination	Full marks	Pass marks
IV	Core Course -8(CC-8)-Western Political Thought	(5+1)=6	Semester End	70	28
	Core Course -9(CC-9)-General Public Administration	(5+1)=6	Internal Assessment	30	12
	Core Course -10(CC-10)-Indian Administration	(5+1)=6			
	Elective(GE-4)	(5+1)=6	Total	100	40
	SEC-2- Personality Development	2	Semester End	30	14
			Internal Assessment	20	06
			Total	50	20
V	Core Course -11(CC-11)- International Politics	(5+1)=6	Semester End	70	28
	Core Course -12(CC-12)-Constitutional Government of India	(5+1)=6	Internal Assessment	30	12
	Elective(DSE-1A)- National Movement And Constitutional Development In India OR International Law	(5+1)=6			
	Elective(DSE-2A)- Political Process In India OR International Organization	(5+1)=6	Total	100	40
VI	Core Course -13(CC-13)- Political Ideology	(5+1)=6	Semester End	70	28
	Core Course -14(CC-14)-India's Foreign Policy	(5+1)=6	Internal Assessment	30	12
	Elective(DSE-3A)- Government & Politics of Jharkhand OR Foreign Policy of Major Powers	(5+1)=6			
	Elective(DSE-4)- Project	(5+1)=6	Project	70	28
			Viva	30	12
			Total	100	40

Total Credit: - 140

Total Marks:-2400

B. A. (Hons) Political Science
Semester I
Core Course I (CC1) Introduction to Political Theory
Course Content

Sl. No.	Topic
1	Meaning, Nature, Scope of Political science And Dimension of Politics
2	Liberal and Marxist View of Politics
3	Interdisciplinary Approach to the Study of Political Science – Relation with other social Sciences
4	Nature and Origin of State
5	Functions of the State : Liberalism, Socialism And Welfare State
6	Rise and Growth of Modern state

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. R. Bhargava And A. Acharya (Ed.) "Political Theory: An Introduction" Pearson Longman Publication, New Delhi.
2. David Marsh, "Theory and Methods In Political Science", Palgrave Mac Millan Publication, New Delhi.
3. O.P.Gauba, "RajanitikSiddhant Ki RoopRekha", Mayur Paperbacks Publication, New Delhi.
4. O.P.Gauba, "SamkalinRajanitikSiddhant", Mayur Paperbacks Publication, New Delhi.
5. BalwanGautam(Ed.), "RajanitikSiddhant", Delhi University Press, Delhi.
6. Amal Ray AndMohit Bhattacharya, "Political Theory Ideas And Institutions", Jawahar Publisher Delhi.
7. E. D. Ashirvatham, "Principle Of Political Theory", S Chand Delhi.

B. A. (Hons) Political Science
Semester I
Core Course 2 (CC2) Political Ideas and Concepts
Course Content

Sl. No.	Topics
1	Sovereignty: Monism with special reference to Austin's Views; Pluralism with special reference to Laski and Machiever.
2	Equality: Legal, Social, Political and economic Dimensions; Relation between Liberty and Rights.
3	Right: Liberal, Marxist and Laski's Theory of Rights
4	Justice: Legal, Social, Political and Socio-Economic Dimensions of Justice.
5	Liberty: Negative and Positive Nature; Marxist's Concept of Liberty.
6	Democracy: Participatory and Representative.

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. R. Bhargava and A. Acharya (Ed.) "Political Theory: An Introduction" Pearson Longman Publication, New Delhi.
2. David Marsh, "Theory and Methods In Political Science", Palgrave Mac Millan Publication, New Delhi.
3. O.P.Gauba, "Rajnitik Siddhant Ki Roop Rekha", Mayur Paperbacks Publication, New Delhi.
4. O.P.Gauba, "Samkalin Rajanitik Siddhant", Mayur Paperbacks Publication, New Delhi.
5. Sushila Ramaswami, "Political Theory", PHI Publication, New Delhi.
6. Dr. S.P. Verma, "Aadhunik Rajnitik Siddhant", Vikash Publication New Delhi.
7. Dr. Aashirvadam, "Rajnitik Vigyan Ke Siddhant", S. Chand Publication New Delhi.
8. Gyan Singh Sandhu (Ed.), "Rajnitik Siddhant" Delhi University, Press, Delhi.

B. A. (Hons) Political Science
Semester II
Core Course3 (CC3) Ancient Indian Political Thinkers
Course Content

Sl. No.	Topics	Number of Classes
1	Ancient Indian Political Thought – Sources of Political Thought.	06
2	Features of Ancient Indian Political Thought.	06
3	Manu: Ideas related to State, Society, Religion And King	12
4	Kautilya: Ideas related to State, Society, Religion And King	12
5	Jainism: Ideas related to State, Society, Religion And King	12
6	Buddhism: Ideas related to State, Society, Religion And King	12

Note:- Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. RuchiTyagi(Ed.), "PrachinEvam Madhya Kaleen Bharat KaRajnitikChintan", Delhi University Press, Delhi.
2. BrijKishorSharma, "Indian Political Thought", Jawahar Publisher, Delhi.
3. O. P. Gauba, " BharatiyaRajanitikVicharak" Mayur Paper Backs, Delhi.
4. V.P. Verma, "Modern Political Thought" Laxmi Narayan Agrawal Publication, Agra.
5. A. Appadorai, "Documents of Political Thought In Modern India", Oxford University Press, Bombay.
6. B.R. Nanda, "Gokhale, Gandhi and Nehru: Studies In Indian Nationalism", Allen And Unwin, London.
7. Ram RatanAndRuchiTyagi, "Indian Political Thought"Jawahar Publisher, Delhi.

B. A. (Hons) Political Science
Semester II
Core Course4 (CC 4) Modern Indian Political Thinkers
Course Content

Sl. No.	Topics	Number of Classes
1	Raja Ram Mohan Roy: Ideas related to State, Society, Religion And Polity	10
2	Swami DayanandSaraswati: Ideas related to State, Society, Religion And Polity	10
3	BalGangadharTilak: Ideas related to State, Society, Religion And Polity	10
4	Swami Vivekanand: Ideas related to State, Society, Religion And Polity	10
5	Mahatma Gandhi: Ideas related to State, Society, Religion And Polity	10
6	Dr. BhimRaoAmbedkar: Ideas related to State, Society, Religion And Polity	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. BrijKishorSharma, "Indian Political Thought", Jawahar Publisher, Delhi.
2. O. P. Gauba, " BharatiyaRajanitikVicharak" Mayur Paper Backs, Delhi.
3. V.P. Verma, "Modern Political Thought" Laxmi Narayan Agrawal Publication, Agra.
4. A. Appadorai, "Documents of Political Thought In Modern India", Oxford University Press, Bombay.
5. B.R. Nanda, "Gokhale, Gandhi and Nehru: Studies In Indian Nationalism", Allen And Unwin, London.
6. M. P. Awasthi, "BharatiyaRajanitikVicharak",Laxmi Narayan Agrawal Publication, Agra.
7. RuchiTyagi(Ed.), "Aadhunik Bharat KaRajnitikChintan: EkVimarsh",Delhi University Press, Delhi.

B. A. (Hons) Political Science
Semester III
Core Course5 (CC 5) Introduction to Comparative Politics
Course Content

Sl. No.	Topics	Number of Classes
1	Comparative Politics: Meaning, Nature And Scope	06
2	Difference between Comparative Politics and Comparative Government.	06
3	Approaches to Study Comparative Politics: Traditional, Political System Analysis, Structural- Functional Analysis And Marxist-Leninist Approach.	14
4	Constitution: Meaning, Type And Evolution.	14
5	Constitutionalism: Liberal-Democratic and Totalitarian	14
6	Pressure Group And Interest Group.	06

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. O. P. Gauba, "Tulanatmak Rajaniti Ki Roop-Rekha", Mayur Paper Backs, New Delhi.
2. J.C. Johari, "Tulanatmak Rajanit", S. Chand Publication, New Delhi.
3. P. D. Sharama, "Tulanatmak Rajanitik Sansathayein".
4. J.D. Nagle, "Introduction to Comparative Politics : Political System Performance In three Worlds", Nelson Hall Chicago.
5. A. R. Ball And B. Guy Peters, "Modern Politics And Government", Macmillan, London.
6. J. C. Johari, " Comparative Political Theory: New Dimensions, Basic Concept and Major Trends", Sterling Publication, New Delhi.
7. Asha Gupta, "Tulanatmak Shasan AurRajniti: Samakaleen Pravittiyen", Delhi University Press, Delhi.
8. V. N. Khanna, "Comparative Study of Government and Politics", Jawahar Publisher, New Delhi.
9. TapanViswal(Ed.), "Tulanatmak Rajaniti: Sansthayen Aur Prakriyaen", Orient Blackswain, Hyderabad.

B. A. (Hons) Political Science

Semester III

Core Course6(CC 6) Comparative Government and Politics Major Constitutions of the World(U.K. U.S.A. FRANCE AND SWITZERLAND)

Course Content

Sl. No.	Topics	Number of Classes
1	Executive System.	15
2	Legislative System.	15
3	Judicial System.	15
4	Procedure of Constitutional Amendments.	05
5	Party System.	05
6	Pressure Group And Interest Group.	05

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. O. P. Gauba, "TulanatmakRajaniti Ki Roop-Rekha", Mayur Paper Backs, New Delhi.
2. J.C. Johari, "TulanatmakRajanit", S. Chand Publication, New Delhi.
3. P. D. Sharama, "Tulanatmak Rajanitik Sansathayein".
4. J.D. Nagle, "Introduction to Comparative Politics : Political System Performance In three Worlds", Nelson Hall Chicago.
5. A. R. Ball And B. Guy Peters, "Modern Politics And Government", Macmillan, London.
6. J. C. Johari, " Comparative Political Theory: New Dimensions, Basic Concept and Major Trends", Sterling Publication, New delhi.
7. J. C. Johari, "Selected World Constitutions", Lotus Press, Delhi.
8. A. C. Kapur, "Selected Constitutions", Jawahar Publisher, Delhi.

B. A. (Hons) Political Science
Semester III
Core Course 7(CC 7) Political Sociology
Course Content

Sl. No.	Topics	Number of Classes
1	Political Sociology: Meaning, Nature And Scope.	10
2	Political Elite.	10
3	Political Culture.	10
4	Political Socialization.	10
5	Political Participation.	10
6	Political Development.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. O. P. Gauba, "Tulanatmak Rajaniti Ki Roop-Rekha", Mayur Paper Backs, New Delhi.
2. Dham Veer, "Political Sociology", Rajasthan Hindi Granth Academy, Jaipur
3. Ali Asharaf, "Political Sociology"
4. J.C. Johari, "Tulanatmak Rajanit", S. Chand Publication, New Delhi.
5. P. D. Sharama, "Tulanatmak Rajanitik Sansathayein".
6. J.D. Nagle, "Introduction to Comparative Politics : Political System Performance In three Worlds", Nelson Hall Chicago.
7. Jain And Fariya, "Rajanitik Samaj Shastra", Sahitya Bhawan Prakashan, Agra.
8. A. R. Ball And B. Guy Peters, "Modern Politics And Government", Macmillan, London.
9. J. C. Johari, " Comparative Political Theory: New Dimensions, Basic Concept and Major Trends", Sterling Publication, New Delhi.

B. A. (Hons) Political Science
Semester IV
Core Course 8 (CC 8) Western Political Thought
Course Content

Sl. No.	Topics	Number of Classes
1	Plato: Justice, Education, Communism And Ideal State.	10
2	Aristotle: Nature and Purpose Of State, Slavery, Citizenship And Revolution.	10
3	Hobbes: Social Contract and Sovereignty.	10
4	Locke: Social Contract And Feature of the State.	10
5	Rousseau: Social Contract And General Will.	10
6	J. S. Mill: Liberty, Representative Government.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. SubrataMukharjee&SushilaRamaswami, "A History Of Political Thought Plato to Marx", Jawahar Publisher Delhi.
2. PremArora and Brij Grover, "Political Thought Plato to Marx", Jawahar Publisher Delhi.
3. J. C. Johari, "Political Thought Modern, Recent and Cotemporary",Jawahar Publisher Delhi.
4. Iqabal Narayan, "PratinidhiRajanitikVicharak", Shiv lalagrawal&Company, Agra.
5. Michel Foster, "RajanitikChintanKeAadhar", Delhi University, Press, Delhi.
6. SubratMukharjeeAndSushilaRamaswami, "PashchatyaRajanitikChintan", Delhi University Press, Delhi.

B. A. (Hons) Political Science
Semester IV
Core Course 9 (CC 9) General Public Administration
Course Content

Sl. No.	Topics	Number of Classes
1	Public Administration: Meaning, Nature and Scope.	12
2	Approaches to the Study of Public Administration.	12
3	Public And Private Administration.	06
4	Organization: Principles and Bases.	10
5	Financial Administration: Budget And Audit.	10
6	Control Over Administration: Legislative And Judicial.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. Sushama Yadav And BalwanGautam, “Lok Prashasan: Siddhant Evam V yavahar”,Orient Blckswain, Hyderabad.
2. RumakiBasu, “LokPrshasan”, Jawahar Publication, Delhi.
3. M. P. Sharma and B.L. Saana, “Lok Prashasan”, Kitab Mahal, delhi.
4. Avasthi and Avasthi, “Public administration”, Laxmi Narayan Agrawal, Agra.
5. L. D. White, “ Introduction to the Study of Public administration”, S. Chand & Company, New Delhi.
6. Vishnu Bhagawan and Vidya Bhushan, “A text Book of Public administration”, S. Chand & Co. New Delhi.
7. Mohit Bhattacharya, “Public Administration and Planning”, The World Press Pvt. Ltd., Calctta.
8. Mohit Bhattacharya, “New Horizons of Public administration”, Jawahar Publisher Delhi.

B. A. (Hons) Political Science
Semester IV
Core Course 10 (CC 10) Indian Administration
Course Content

Sl. No.	Topics	Number of Classes
1	Indian Administration: Development during British Rule.	12
2	Structure Of Administration: Central Secretariat And State Secretariat.	12
3	Union State Relation: Financial And administrative.	12
4	Issues In Administration: Generalist Vs. Specialists, Committed Bureaucracy.	06
5	Redressal of Public Grievances: LokPal and LokAyukta.	06
6	Local Self Government: Rural and Urban.	12

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. Avasthi & Avasthi, "Indian Administration", Laxmi Narayan Agrawal, Agra.
2. Vudya Bhushan and Vishnu Bhagawan, "Indian Administration", S. Chand & Co., New Delhi.
3. Padma Ramchandran, "Public administration In India", National Book Trust, India, Delhi.
4. B. L. Pharia, " Bharatiya Prashasan", Sahitya Bhawan Agra.
5. B. L. Pharia, " Bharat Main Lok Prashasan", Sahitya Bhawan Agra.
6. S. R. Maheswari, "Indian Administration", Laxmi Narayan Agrawal, Agra.

B. A. (Hons) Political Science
Semester V
Core Course 11 (CC11) International Politics
Course Content

Sl. No.	Topics	Number of Classes
1	International Politics: Definition, Meaning And Nature.	10
2	Relation Between International Politics And International Relation.	10
3	Theories of International Politics: Idealist And Realist.	10
4	National Power And National Interest.	10
5	Balance of Power and Collective security.	10
6	Terrorism: Meaning, Type and Problems.	10
7	Globalization and World Economy	05

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. K. K. Kulshrestha, "International Relation" S. Chand & Com., Delhi.
2. AnveekChatrjee, "World Politics", Pearson Publication, Delhi.
3. Joshua S. Gold Stone & J.C. Chatterjee, "International Relation", Pearson Publication, Delhi.
4. Palmer And Perkin, "InternationalRelation".
5. B. L. haria& K. Pheria, "AntarrashtriyaRajiniti", SahityaBhawan Agra.
6. S. C. Singhal "AntarrashtriyaRajiniti", Laxmi Narayan Agrawal, Agra.
7. B. L. Pharia, "AntarashtriyaSambandh", SahityaBhawan, Agra.
8. S. C. Singhal, "AntarashtriyaSambandh", Laxmi Narayan Agrawal, Agra.

B. A. (Hons) Political Science
Semester V
Core Course 12 (CC12) Constitutional Government In India
Course Content

Sl. No.	Topics	Number of Classes
1	Socio- Economic Bases And Philosophy of The Indian Constitution.	10
2	The Constitution: Preamble and Basic Features.	10
3	Fundamental Rights And Directive Principles Of State Policy.	10
4	Union Government: Legislature And Executive.	10
5	State Government: Legislature And Executive.	10
6	Judiciary: Supreme Court and Judicial Activism.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. B. N. Chawdhari&Yuvaraj Kumar, "Bharat main SanvadhanikLoktnttraAurShasan", Delhi University Press, Delhi.
2. SubhashKashyap, "SansadiyaLoktantrakaltihias",Delhi University Press, Delhi.
3. SubhashKashyap, "BharatiyaSansad: SamasyainAurSamadhan",Delhi University Press, Delhi.
4. A. P. Avasthi, "Indian Government And Politics", Laxmi Narayan Agrawal, Agra.
5. S. C. Singhal, "BharatiyaShasanAurRajiniti", Laxmi Narayan Agrawal, Agra.
6. B. L. Phariya, "BharatiyaShasanAurRajiniti, SahityaBhawan, Agra.
7. A. R. Khan, "The Constitution Of India", Access Publishing Delhi.
8. A. S. Narang, " Indian Political System, Process And Development", Gitanjali Publishing House, Delhi.
9. M. V. Payalee, "An Introduction To The Constitution Of India", Jawahar Publisher, Delhi.

B. A. (Hons) Political Science

Semester V

DSE 1A National Movement and Constitutional Development In India

Course Content

Sl. No.	Topics	Number of Classes
1	Indian National Congress: Birth, Role and Policies.	10
2	Extremists And moderates- Methods And Ideologies of Movements.	10
3	The Mont Ford Reforms 1919.	10
4	The Government of India Act 1935.	10
5	Mountbatten Plan And Partition of India.	10
6	Independence of India Act 1947.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. Ram Chand Pradhan, "Raj Se Swaraj (Bharat Main Upanivesh vad Aur Rashtravad)", delhi University Press, Delhi.
2. Subhash Kashyap, "Bharat Ka Sanvidhanik Vikas Aur Sanvidhan", Delhi University Press, Delhi.
3. Satya M. Roy, "Bharat Main Upanivesh vad Aur Rashtravad", Delhi University Press, Delhi.
4. Himanshu Roy (Ed.), "Bharat Main Upanivesh vad Aur Rashtravad", Delhi University Press, Delhi.
5. L. P. Sharma, "Indian National Movement And Constitutional Development", Laxmi Narayan Agrawal Agra.
6. S. C. Singhal, "Bharatiya Rashtriya Andolan Aur Bharatiya Ganatantra Ka Vikas", Laxmi Narayan Agrawal Agra.
7. Bimal Prasad, "The Making Of India", Vitasta Publication, Delhi.

B. A. (Hons) Political Science
Semester V
DSE 1B International Law
Course Content

Sl. No.	Topics	Number of Classes
1	International Law: Origin And Development.	10
2	International Law: Sources.	10
3	International Law: Codification.	10
4	Recognition: State And Government.	10
5	Extradition And Intervention.	10
6	Contraband And Blockade.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. S.C. Singhal, "AntarrashtriyaKanoon", Laxmi Narayan Agrawal, Agra.
2. B. L. Phariya, "AntarashtriyaSangathanEvamAntarashtriyaKanoon", SahityaBhawan, Agra.
3. M.N.Shaw," International Law, CUP.
4. B. L. Phariya, " AntarashtriyaKanoon", SahityaBhawan, Agra.
5. A. C. Kapoor, "International Law"
6. Hingorani, "International Law"

B. A. (Hons) Political Science
Semester V
DSE 2A Political Process In India
Course Content

Sl. No.	Topics	Number of Classes
1	Political Parties And Party System.	10
2	Voting Behaviour In India: Nature and Determinants (Casteism And Regionalism).	10
3	Pressure Groups And Interest Groups.	10
4	Religion And Politics: Debate on Secularism.	10
5	Defection.	10
6	Co-operative Federalism.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. Vivekkumar, "Caste And Democracy In India", Gyan Publishing House Delhi.
2. PravinkumarJha, 'Indian Politics In Comparative Perspective", Prearson Publication, Delhi.
3. A.S. Narang, "Indian Political System, Process and Development", Gitanjali Publishing House, Delhi.
4. Bimal Prasad, "the Making of India", Vitasta Publication, Delhi.
5. Paul R. Brass, "The politics of India Since Independence", Jawahar Publisher Delhi.
6. Ravindra Kumar, "Dalit Exclusion and Subordination", Rawat Publication, Delhi.
7. PrakashChander, "Indian Government And Politics", Jawahar publisher, Delhi.
8. Mahendra P. Singh&HimanshuRoy(Ed.), "BharatiyaRainikitPranaliSanrachnaAurVikas", Delhi University Publication, Delhi.
9. Pukharaj Jain, "BharatiyaRashtriyaAndolanEvamBharatiyaSanvidhan", SahityaBhawan, Agra.

B. A. (Hons) Political Science

Semester V

DSE 2B

International Organization

Course Content

Sl. No.	Topics	Number of Classes
1	International Organization: Evolution And Nature.	10
2	The United Nations: Structure, Nature and Functions.	10
3	Agencies Of UNO: WHO, UNESCO And UNICEF.	10
4	UNO: Role In Peace Making In the World.	10
5	UNO: Politics of Restructuring.	10
6	Regional Organization ,EU, OPEC And G-8	10
7	GATT,WTO,UNCTAD,	

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. P. Pant, "AntarrashtriyaSangathan",Jawahar Publisher Delhi.
2. Nina Shishir,"SanyuktaRashtraSangh: SaiddhantikEvamVyavaharikPaksh", Delhi University Press, Delhi.
3. B. L. Phariya, "AntarashtriyaSangathanEvamAntarashtriyaKanoon", SahityaBhawan, Agra.
4. B. L. Phariya, "AntarashtriyaSangathan ", SahityaBhawan, Agra.

B. A. (Hons) Political Science
Semester VI
Core Course13 (CC13) Political Ideology
Course Content

Sl. No.	Topics	Number of Classes
1	Political Ideology: Meaning And Scope.	10
2	Liberalism And Neo-Liberalism.	10
3	Communism And Marxism.	10
4	Democratic Socialism.	10
5	Fascism And Nazism.	10
6	Gandhism.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. B. L. Phariya, "SamkalinRajinitikMudde", SahityaBhawan, Agra.
2. S. C. Singhal, "SamkalinRajinitikMudde", Laxmi Narayan Agrawal, Agra.
3. S. C. Singhal, "RajinitikVichardharain", Laxmi Narayan Agrawal, Agra.
4. Ram Chandra Gupt, "AadhunikRajnitikVichardharaein", MacMillan Delhi.
5. C. L. Wayper, "Teach Yourself Political Thought", Jawahar Publisher, Delhi.
6. Roger Eatwell & Wright, "Book On Contemporary Political Ideology", Rawat Publication, Delhi.

B. A. (Hons) Political Science
Semester VI
Core Course 14 (CC14) India's Foreign Policy
Course Content

Sl. No.	Topics	Number of Classes
1	Basic Features of Indian Foreign Policy.	10
2	Non-Alignment: Meaning And Relevance.	10
3	Relations With Regional Organization: SAARC And ASEAN.	12
4	India And Its Neighbour: China, Pakistan And Nepal.	12
5	India And Major Powers: U.S. And Russia.	12
6	Determinants of India' Foreign Policy.	04

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. B. P. Datt, "BadalatiDuniya Main Bharat Ki VideshNiti", Delhi University Press, Delhi.
2. J. N. Dikshit, BharatiyaVideshNiti", PrabhatPrakasnan, Delhi.
3. P. D. Kaushik, "AntarrashtriyaSambandh", KalyaniPrakashan, Delhi.
4. PremArora, "Foreign Policy Of India", Cosmos Bookhive, delhi.
5. SumitGanguli, "India's Foreign Policy: Retrospect'sAnd Prospect", Jawahar Publisher, Delhi.
6. BiswarajanMohanty, "Foreign Policy Of India In 21st Century" New Century Publication, Delhi.
7. PremArora, "Indian Foreign Policy", Jawahar Publisher, delhi.
8. Jamil Ahmad &DastgirAlam, "WTO, India And Regionalism In The World", Jawahar Publisher, Delhi.
9. ArunodayBajpai, "SamkalinVishvaEvam Bharat", Pearson Publication. Delhi.
10. B. P. Gautam, "India's Foreign Policy", Mayur Paper Backs, Delhi.

B. A. (Hons) Political Science
Semester VI
DSE 3A Government and Politics of Jharkhand
Course Content

Sl. No.	Topics	Number of Classes
1	Jharkhand: Demography and Culture.	10
2	Jharkhand Movement: Causes, Nature And Ideology.	10
3	Socio-Economic Determinants of Politics of Jharkhand.	10
4	Major Issues in The Politics of Jharkhand: Tribal and Naxal Movement.	10
5	Working Of Government From Coalition to Single Party.	10
6	Emerging Trends In State Politics of Jharkhand.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. P. Chatterjee(Ed.), "State And Politics In India", Oxford University Press.
2. Praveen Kumar Jha, "Indian Politics In Comparative Perspective", Pearson Publication, Delhi.
3. B. L. Pharia, "Rajyon Ki Rajinithi", SahityaBhawan, Agra.
4. O. P. Panvare, "GathbandhanSarakaareinEvamRastrapati Ki Bhumika", Gyan Publication House Delhi.
5. Sunil Kumar Singh, "Inside Jharkhand", Crown Publication, Ranchi.

B. A. (Hons) Political Science
Semester VI
DSE 3B Foreign Policy of Major Powers
Course Content

Sl. No.	Topics	Number of Classes
1	Foreign Policy: Meaning And Determinants.	06
2	Major Powers: Meaning And Determinants.	06
3	Major Issues in Foreign Policy of U.S. in Post- Cold War Era.	12
4	Major Issues in Foreign Policy of France in Post- Cold War Era.	12
5	Major Issues in Foreign Policy of Russia in Post- Cold War Era.	12
6	Major Issues in Foreign Policy of China in Post- Cold War Era.	12

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. Rahat Hasan, "Foreign Policy And Strategic Issue", New Century, Publication, Delhi.
2. P. D. Kaushik, "Antarrashtriya Sambandh", Kalyani Prakashan, Delhi.
3. Manoranjan Mohanty, "Chini Kranti", Delhi University Press, Delhi.
4. John Dumbrell, "American Foreign Policy: Carter To Clinton", Hounsmill, Macmillan University Press.
5. Chan Gerald, "Chinese Perspective On International Relation", Hounsmill, Macmillan University Press.
6. Kanet Roger E. & A. V. Kozhemiakin, "The Foreign Policy of Russian Federation", Hounsmill, Macmillan University Press.

B. A. (Honours) Political Science

Semester VI

DSE 4 (Project)

Project Work

The Project Work has to be completed by every student on the Topic based on optional paper with the consultation of the guide/ supervisor.

This paper has 100 marks of 6 credits. The evaluation of project work is done on the basis of external examination.

B. A. (Hons) Political Science Elective Courses

Semester I

General Elective I (GE 1)

Indian Constitution and Administration

Course Content

Sl. No.	Topic
1	Constitution Introduction Constituion Assembly, Procedural achivements and Philosophy of the constitution, the procedure to amend the constitution, basic structure and evolution of the constitution, constitutions as living documents.
2	Rights and Duties The importance of rights, Fundamental rights in the Indian constitutions, directive principles of state policy, relationship between fundamental rights and directive principles
3	Election and Represtations Election and Democracy, Election System in India, reservation of constituencies, free and fair elections, electrol reforms
4	Legislature Parliament, Two House of Parliament, Functions and Power of the Parliament, Legislative functions, control over Executive, Parliamentary committees. Self regulation
5	Executive Executive and its types, Parliamentary Executive in India, Prime Minister and Council of Ministers, Parliament Executive, Bureaucracy

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. Indian Policy by Laxmikanth
2. Indian Administration by Subhash Kashyap
3. Indian Constitution by D D Basu
4. Indian Administreation by Avasti

B. A. (Hons)
Political Science
Elective Courses
Semester II
General Elective 2 (GE2) Political Ideas And Concepts
Course Content

Sl. No.	Topics	Number of Classes
1	Sovereignty: Monism with special reference to Austin's Views; Pluralism with special reference to Laski and Machiever.	10
2	Equality: Legal, Social, Political and economic Dimensions; Relation between Liberty and Rights.	10
3	Right: Liberal, Marxist and Laski's Theory of Rights	10
4	Justice: Legal, Social, Political and Socio-Economic Dimensions of Justice.	10
5	Liberty: Negative and Positive Nature; Marxist's Concept of Liberty.	10
6	Democracy: Participatory and Representative.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

9. R. Bhargava And A. Acharya (Ed.) "Political Theory: An Introduction" Pearson Longman Publication, New Delhi.
10. David Marsh, "Theory and Methods In Political Science", Palgrave Mac Millan Publication, New Delhi.
11. O.P.Gauba, "RajnitikSiddhant Ki RoopRekha", Mayur Paperbacks Publication, New Delhi.
12. O.P.Gauba, "SamkalinRajnitikSiddhant", Mayur Paperbacks Publication, New Delhi.
13. SushilaRamaswami,"Political Theory", PHI Publication, New Delhi.
14. Dr. S.P. Verma, "AadhunikRajnitikSiddhant", Vikash Publication New Delhi.
15. Dr.Aashirvadam, " RajnitikVigyanKeSiddhant", S. Chand Publication New Delhi.
16. Gyan Singh Sandhu(Ed.), "RajanitiSiddhant" Delhi University, Press, Delhi.

B. A. (Hons)

Political Science Elective courses

Semester III

General Elective 3 (GE 3) Constitutional Government In India

Course Content

Sl. No.	Topics	Number of Classes
1	Socio- Economic Bases And Philosophy of The Indian Constitution.	10
2	The Constitution: Preamble and Basic Features.	10
3	Fundamental Rights And Directive Principles Of State Policy.	10
4	Union Government: Legislature And Executive.	10
5	State Government: Legislature And Executive.	10
6	Judiciary: Supreme Court and Judicial Activism.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. B. N. Chawdhari&Yuvaraj Kumar, "Bharat main SanvadhanikLoktntraAurShasan", Delhi University Press, Delhi.
2. SubhashKashyap, "SansadiyaLoktantrakaltihas", Delhi University Press, Delhi.
3. SubhashKashyap, "BharatiyaSansad: SamasyainAurSamadhan", Delhi University Press, Delhi.
4. A. P. Avasthi, "Indian Government And Politics", Laxmi Narayan Agrawal, Agra.
5. S. C. Singhal, "BharatiyaShasanAurRajiniti", Laxmi Narayan Agrawal, Agra.
6. B. L. Phariya, "BharatiyaShasanAurRajiniti, SahityaBhawan, Agra.
7. A. R. Khan, "The Constitution Of India", Access Publishing Delhi.
8. A. S. Narang, " Indian Political System, Process And Development", Gitanjali Publishing House, Delhi.
9. M. V. Payalee, "An Introduction To The Constitution Of India", Jawahar Publisher, Delhi.

B. A. (Hons)
Political Science
Elective Courses
Semester IV
General Elective (GE 4) Political Process In India
Course Content

Sl. No.	Topics	Number of Classes
1	Political Parties And Party System.	10
2	Voting Behaviour In India: Nature and Determinants (Casteism And Regionalism).	10
3	Pressure Groups And Interest Groups.	10
4	Religion And Politics: Debate on Secularism.	10
5	Defection.	10
6	Co-operative Federalism.	10

Note:-Ten Objective Type Questions of Two Marks Each(10x2=20); Eight Short Answer Type Questions, of Which 4 have to be Answered for 5 Marks Each(4x5=20); 4 Questions of Long Answer Type, of Which 2 have to be Answered for 15 Marks Each(2x15=30).

Suggested Readings:

1. Vivekkumar, "Caste And Democracy In India", Gyan Publishing House Delhi.
2. PravinkumarJha, 'Indian Politics In Comparative Perspective", Prearson Publication, Delhi.
3. A.S. Narang, "Indian Political System, Process and Development", Gitanjali Publishing House, Delhi.
4. Bimal Prasad, "the Making of India", Vitasta Publication, Delhi.
5. Paul R. Brass, "The politics of India Since Independence", Jawahar Publisher Delhi.
6. Ravindra Kumar, "Dalit Exclusion and Subordination", Rawat Publication, Delhi.
7. PrakashChander, "Indian Government And Politics", Jawahar publisher, Delhi.
8. Mahendra P. Singh&HimanshuRoy(Ed.), "BharatiyaRainikitPranaliSanrachnaAurVikas", Delhi University Publication, Delhi.
9. Pukharaj Jain, "BharatiyaRashtriyaAndolanEvamBharatiyaSanvidhan", SahityaBhawan, Agra.



**Netaji Subhas University
Jamshedpur**

Syllabus for Economics
B.A.-I, B.A.-II & B.A.-III (Hons.)

Syllabus for B A. Economics (Core & Elective)

Core Subject for Honours

B. A. Economics Honours course will be of Three Academic years comprising of 6 Semesters. (Two Semesters every year). There will be 14 compulsory core papers in Economics Honours . There will be Two DSE in Semester Vth and one in Semester VIth. Project work is compulsory in Semester VIth.

Elective (GE)

Elective (GE) means a subject that the students opt for along with his/her core subject, i.e. Who opts core course other than Economics, may opt Economics. One paper will be taught in each semester i.e from- I to IV. There will be no Elective (GE) in semester V and VI

B.A. Programme (General)

In B.A. Programme (General) Students who opt Economics have to study one paper Economics in each Semester from Semester I to 4th as core paper. In Semester Vth&VIth Students may also opt DSE (Economics) one paper in each Semester, one Elective (GE) in semester Vth&VIth.

B.A Economics (Honours)

SEMESTER – I

PAPER NO	PAPER CODE	TITLE	TOTAL MARKS
I	ECC101	Micro Economics - I	30+70 = 100
II	ECC102	Indian Economics - I	30+70 = 100

SEMESTER – II

PAPER NO	PAPER CODE	TITLE	TOTAL MARKS
III	ECC201	Micro Economics – II	30+70 = 100
IV	ECC202	Indian Economics - II	30+70 = 100

SEMESTER – III

PAPER NO	PAPER CODE	TITLE	TOTAL MARKS
V	ECC301	Macro Economics	30+70 = 100
VI	ECC302	International Economics	30+70 = 100
VII	ECC303	Public Finance	30+70 = 100

SEMESTER – IV

PAPER NO	PAPER CODE	TITLE	TOTAL MARKS
VIII	ECC401	Money & Banking	30+70 = 100
IX	ECC402	Mathematical Analysis	30+70 = 100
X	ECC403	Economics of Growth and Development	30+70 = 100

SEMESTER – V

PAPER NO	PAPER CODE	TITLE	TOTAL MARKS
XI	ECC501	Statistical Analysis	30+70 = 100
XII	ECC502	History of Economic Thought - I	30+70 = 100
	ECCDSE1501A/B	Mathematical (A) / Agriculture – I(B)	30+70 = 100
	ECCDSE2502A/B	Mathematical (A) / Agriculture – II (B)	30+70 = 100

Choose any one Group - A or B

SEMESTER – VI

PAPER NO	PAPER CODE	TITLE	TOTAL MARKS
XIII	ECC601	History of Economic Thought - II	30+70 = 100
XIV	ECC602	Economics of Education and Health	30+70 = 100
	ECCDSE3601C/D	Econometrics (C) / Demography (D)	30+70 = 100
		Project Work	30+70 = 100

Choose any one paper C or D

Elective (GE)

SEMESTER	PAPER NO	PAPER CODE	TITLE	TOTAL MARKS
SEMESTER I(B.A Part-I)	Elective GE-I	ECK101/ELGE I	Macro Economics 1	30+70 = 100
SEMESTER II(B.A Part-I)	Elective GE- 2	ECK202/ELGE2	Macro Economics 2	30+70 = 100
SEMESTER III(B.A Part-II)	Elective GE- 3	ECK301/ELGE	Public Finance & International Trade	30+70 = 100
SEMESTER IV (B.A Part-II)	Elective GE- 4	ECK404/ELGE-4	Indian Economy	30+70 = 100

Core Subject for B.A Economics (Honors)

SEMESTER	I
PAPER NO	I
PAPER CODE	ECC101
TITLE	Micro Economics - I

Unit 1: Introduction

Nature and Scope of Economics, Methodology in Economics, Choice and Scarcity, Basic Postulates, Role of Price Mechanism, Demand and Supply, Basic Framework – Applications, Market Equilibrium, Elasticity of Demand and Supply.

Unit 2: Consumer's Equilibrium

Utility Analysis (The Marshallian Approach), The Hicksian Indifference Curves Analysis, The Substitution effects (Hicks and Slutsky), Consumer's Surplus (Marshall and Hicks Approach).

Unit 3: Theory of Productions and Costs

Production function, Iso-quants, Law of Variable Proportion, Returns to scale, Different Concepts of costs and cost curves, Equilibrium of the firms, Expansion path.

Unit 4: Market Structure

Different Types of Markets.

Basic Reading List

- Ahuja, H.L. Advanced Economic Thoery.
- Bilas, R.A (1971), Micro Economics Theory, McGraw Hill Kogakausha, Ltd.
- Koutsoyiannis, A. (1979), Modern Micro Economics, McMillan Press Ltd, London.
- Salvatore, Dominick (2003), Micro Economics, Oxford University Press, New Delhi.
- Stonier, (Alfred. W.) And (Douglas C), Hague (2008), A Textbook of Economic Theory, Pearson Education.
- Hale R. Varian: Microeconomic Analysis, W.W. Norton & Company . New York ,Landan.
- Samuelson and Nordhaus: Economics, Irwin McGraw Hill (17th Edition is Available).

SEMESTER	I
PAPER NO	II
PAPER CODE	ECC102
TITLE	Indian Economics – I

UNIT 1 :- STRUCTURE OF INDIAN ECONOMY

Concept of economic growth and economic development, growth and development, basic Characteristics of Indian economy, changes in structure of Indian economy (primary, Secondary and tertiary sector), trends in national income, occupational distribution, work-Force participation and changes in occupational structure in India.

UNIT 2:- PLANNING AND ECONOMIC DEVELOPMENT AND PROBLEMS IN INDIAN ECONOMY

Objectives of economic planning in india, tenth five year plan, eleventh five year plan, twelfth five year plan, industrial policy of 1991, disinvestments of public enterprises, Economic problems:-poverty, inequality, parallel economy, unemployment, concentration of economic power

UNIT 3:- INDIAN ECONOMY-EMERGING ISSUES

WTO and Indian economy (emerging areas), GATT, TRIMS, TRIPS, foreign direct investment, portfolio investment and foreign institutional investors.

UNIT 4:- BASIC FEATURES OF JHARKHAND ECONOMY

Demography, agriculture, industries, state economics policy.

Basic Reading List

- Dutt, Rudra and Sundaram (2011), Indian Economy, S. Chand.
- Dhawan, S.K. (2006), Handbook of India Economy, Vol 2, Maxford Books, New Delhi.
- Jalan, Bimal (Ed.) (1993), The Indian Economy, Problems and Prospects, Pengium Books.
- Kapila, Uma (2007), Indian Economy, Performance and Policies, Adcademic Foundation, New Delhi.
- Kapila Uma (Ed.) (2007), India's Economic Development Since 1949, Academic Foundation, New Delhi.
- Mishra S.K. and V.K. Puri (2004), Indian Economy, Himalaya Publishing.

SEMESTER	II
PAPER NO	III
PAPER CODE	ECC201
TITLE	Micro Economics - II

Unit 1: Market Equilibrium

Perfect and Imperfect Market, Equilibrium of firm – Perfect Competition, Monopoly and Price Discrimination, Measure of Monopoly Power, Monopolistic Competition, Duopoly, Oligopoly.

Unit 2: Factor Pricing

Marginal Productivity Theory of Distribution, Adding up problem, Rent – concepts, Ricardian and Modern theory of rent, Interest – Classical and Keynesian theories, Profits – Innovation, Risk and Uncertainty Theories.

Unit 3: Welfare Economics

Definition of Welfare Economics, Problems in measuring Welfare, Classical welfare Economics, Pareto – Optimality Criteria, Compensation Principle – Kaldor, Hicks.

Basic Reading List

- Ahuja, H.L. Advanced Economic Thoery.
- Bilas, William J. (1971), Micro Economics Theory, McGraw Hill Kogakausha, Ltd.
- Koutsoyiannis, A. (1979), Modern Micro Economics, McMillan Press Ltd, London.
- Salvatore, Dominick (2003), Micro Economics, Oxford University Press, New Delhi.
- Stonier, (Alfred. W.) And (Douglas), Hague (2008), A Textbook of Economic Theory, Pearson Education.
- Hale R. Varian: Microeconomic Analysis, W.W. Norton & Company Education
- Samuelson and Nordhaus: Economics, Irwin McGraw Hill (17th Edition is Available).

SEMESTER	II
PAPER NO	IV
PAPER CODE	ECC202
TITLE	Indian Economics – II

Unit 1:Industry

Industrial Development during the Plan periods, Industrial Policy of 1948, 1956,1977,1980 and 1991, Industrial Licensing Policy: Growth and Problems of Small - Scale industries, Role of Public Sector Enterprises in India's Industrialization.

Unit 2: External Sectors

Role of Foreign Trade, Modern Trends in Exports and Imports , Composition and direction of India's Foreign Trade, Balance of Payments Crisis and the New Economic Reforms – Export Promotion measures and the New Trade Policies, Foreign Capital – FDI, AID, Multinational Corporation (MNCs).

Unit 3:Physical and Human Infrastructure

Energy, Social Infrastructure – Education and Health, Environment, Regional Imbalances, Issues and Policies in financing infrastructure Development, Human Resource Development Poverty and Environment .

Unit 4:Important Areas of Concern

Poverty and inequality, Unemployment, Rising Prices, Problems of Industrialization.

Basic Reading List

- Dutt, Rudra and Sundaram(2011), Indian Economy, S. Chand.
- Dhawan, S.K. (2006), Handbook of India Economy, Vol 2, Masford Books, New Delhi.
- Jalan, Bimal(Ed.) (1993), The Indian Economy, Problems and Prospects, Pengium Books.
- Kapila, Uma (2007), Indian Economy, Performance and Policies, Adcademic Foundation, New Delhi.
- Kapila Uma (Ed.) (2007), India's Economic Development Since 1949, Academic Foundation, New Delhi.
- Mishra S.K. and V.K. Puri (2004), Indian Economy, Himalaya Publishing.

SEMESTER	III
PAPER NO	V
PAPER CODE	ECC301
TITLE	Macro Economics

Unit 1: National Income and Social Accounts

Concept and Measurement of National Income in different Methods.

Unit 2: Output and Employment

Say's Law of Markets and The Classical Theory of Employment, Keynes's objection to the Classical Theory, aggregate demand aggregate supply function, the principle of effective demand, consumption function – Average and Marginal Propensity to consume, factors influencing consumption function, the Investment – autonomous and induced investment, marginal efficiency of capital.

Unit 3: Rate of Interest

Classical, Neo – Classical and Keynesian and Post Keynesian Theories of Interest.

Unit 4: Trade Cycles

Nature and Characteristics, Hawtrey's Monetary Theory, Hayek's Over Investment, Theory, Keynesian Theory of Trade Cycles, Hicksian Theory of Trade Cycle, Control of trade cycles.

Basic Reading List

- Ackley, G. (1978), Macroeconomics: Theory and Policy, Macmillan, New York.
- Gupta, Suraj B. (2003), Monetary Planning for India, Oxford University Press, New Delhi.
- Harris, Monetary Theory, McGraw Hill Publications.
- Mankiw, N. G. (2007), Principles of Macro Economics, Thomson Learning.
- Shapiro, E. (1996), Macroeconomic Analysis, Galgotia Publication, New Delhi.

Vaish, M.C. Macroeconomic Theory, Vikas Publishing House.

SEMESTER	III
PAPER NO	VI
PAPER CODE	ECC302
TITLE	International Economics

Unit 1: Importance of Trade and Trade Theories

Importance of the study of International Economics, Inter-regional and international trade, Theories of Absolute Advantage, Comparative Advantage and Opportunity cost, Heckscher- Ohlin Theory of International trade – its main features, assumptions and limitations.

Unit 2: Gains from Trade

Gains from Trade – their measurement and distribution, Trade as an engine of economic growth, Concepts of terms of trade and their importance in the theory of trade, Doctrine of reciprocal demand – its importance and limitations in the theory of trade.

Unit 3: Tariffs and Quotas

Types of tariffs and quotas, their impact in partial equilibrium analysis, Free trade and policy of tariffs in relation to economic growth with reference to India, Concept of optimum tariffs.

Unit 4: Balance of Trade and Balance of Payments

Concepts and components of Balance of Trade and Balance of Payments, Equilibrium and Disequilibrium in Balance of Payments, Consequences of disequilibrium in Balance of Payments, Various measures to correct deficit in the Balance of Payments, Relative merits, demerits and limitations of devaluation, Concept and implication of Foreign Trade Multiplier, Functions of IMF, World Bank and GATT / WTO, Reform of the International Monetary system and India.

Basic Reading List

- Mithani, D.M, International Economics, Himalaya Publishing House.
- Salvatore, D. (1997), International Economics, Prentice Hall, Upper Saddle River, N.J, New York.
- Soderston, BO (1991), International Economics, Macmillan Press.

SEMESTER	III
PAPER NO	VII
PAPER CODE	ECC303
TITLE	Public Finance

Unit 1: Nature and Scope of Public Finance

Meaning and scope of Public Finance, Distinction between Private and Public Finance, Public goods Vs Private goods, The Principle of Maximum Social Advantage, Market failure, Role of the government.

Unit 2: Public Expenditure

Meaning, Classification and Principle of Public Expenditure, Canons and effects of Public Expenditure, Trends in Public Expenditure and Causes of Growth of Public Expenditure in India.

Unit 3: Taxation

Sources of Public Revenue, Taxation – Meaning, Canons and Classification of Taxes, Division of Tax Burden – the Benefit and Ability - to - Pay Approaches, Impact and Incidence of taxes, Taxable capacity, Effects of taxation, Characteristics of a Good tax system, Major trends in tax revenue of the Central and State Governments in India.

Unit 4: Public Debt and Financial Administration

Sources of Public Borrowing, Effects of Public Debt, Methods of Debt redemption, the Public Budget – Kinds of Budget, Economic and Functional Classification of the Budget.

Basic Reading List:

- Kindleberger, C.P. (1973), International Economics, R.D. Irwin, Komewood.
- Mithani, D.M, International Economics, Himalaya Publishing House.
- Musgrave, R.A. and P.B. Musgrave(1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.
- Radhakrishnan, N. Public Finance, Vrinda Publication.
- Sundaram, K.P.M and K.K. Andley Finance, s.Chand and company.
- Mehta J.K, Public finance.
- Tyagi, B.P. Public Finance.

SEMESTER	IV
PAPER NO	VIII
PAPER CODE	ECC401
TITLE	Money & Banking

Unit 1: Basic Concepts

Money – meaning, functions and classification, Role of money in Capitalist , Socialist and Mixed Economies.

Unit 2: Value of Money and Inflation

Uses and Limitations of Index Numbers, Quantity theory of money, Cash Transactions and Cash Balance Approaches, the Keynesian Approach, Inflation, Deflation. Inflation- Definition types, causes and effects of Inflation on different sectors of the economy, Demand pull and cost push Inflation, Measures to control Inflation.

Unit 3: Commercial Banking

Meaning and types, functions of commercial banks, process of credit creation – purpose and limitations, liabilities and assets of banks, evolution of commercial banking in India after independence, a critical appraisal of the progress of commercial banking after nationalization, recent reforms in banking sector in India.

Unit 4: Central Banking

Functions of Central Bank, Quantitative and Qualitative Method of Credit Control – Bank Rate , Open Market Operation, Variable reserve ratio and selective method, Role and function of the Reserve Bank of India, Objectives and limitation of Monetary Policy with special reference to India.

Basic Reading List:

- Financial Institutions Markets (1999), L.M. Bhole, Tata McGraw Hill.
- Mudra, Banking and AntarrashtriyaVyapar.
- M.C. Vaish, Monetary Theory.
- T. T. Sethi, MaudrikArthshastra and AntarrashtriyaVyapar.
- M. L. Sethi, Monetary Theory.
- M. L. Jhingan, SamshtiArthshastra.

SEMESTER	IV
PAPER NO	IX
PAPER CODE	ECC402
TITLE	Mathematical Analysis

Unit 1: Basic Concept

Constant Numbers, Variables and Parameters, Functions, System of Elementary Analytical Geometry – Straight Lines, Parabola, circle, economic problems in Analytical geometry.

Unit 2: Limits, Continuity and Derivatives of a Function

Concept of Limit, Continuity and Derivatives of a Function, (Single Variable Model), Maxima and minima, Points of Inflexion.

Unit 3: Matrix and Determinants

Various types of matrix, Important rules of matrix Algebra, Pre- Multiplication and Post –Multiplication, Transpose of matrix, Determinant, Adjoint and Inverse of matrix.

Unit 4: Functions and Diagrams in Economics and Economic Application of Derivatives.

Concept of MR, MC, Relationship between Total, Average and Marginal, (Rev. & Costs).Equilibrium of Firm under Perfect Competition, Monopoly, Duopoly.

Unit 5: Exponential and Logarithmic function and Logarithmic Derivation

Exponential and Logarithmic functions, Compound interest, Present Values and capital values, Derivatives of Exponential and Logarithmic Functions, Problems of Capital and Interest, Elasticity of a function, Elasticity of Demand, Cost elasticity in normal costs conditions.

Unit 6: Integration

Definite integrals, Indefinite integrals as inverse of Differentiation, Technique of Integration, Relation between Average and Marginal concepts, Capital Values, Problems of durable Capital Values.

Basic Reading List

- Baumol W.J. Economic Theory & Operational Analysis Yamane, Mathematics for Economics.
- Yamane, Taro, (1975), Mathematics for Economics, Prentice Hall of India, New Delhi.
- Allen, R.G.D (1974), Mathematical Analysis for Economist, Macmillan Press and ELBS, London.
- Chiang. A.C. (1986), Fundamental Methods of Mathematical Economics,
- Madnani, G.M.K and Mehta, B.C., Mathematical Economics, Sultan and Sons Publication, New Delhi.

SEMESTER	IV
PAPER NO	X
PAPER CODE	ECC403
TITLE	Economics of Growth & Development

Unit 1: Development and Economic Growth

Economic Growth and Development, Factors affecting Economic Growth, Growth Models – Harrod and Domar, Solow and Meade, Mrs. John Robinson, Theories of Development – Adam Smith, Karl Marx, Ricardo.

Unit 2: Economic Development, Population and Institution

Development and Underdevelopment, Measuring development and development gap – Per capita income, Inequality of Income and Wealth, PQLI Human Development Index and other Indices of Development – Human Resource Development – (Education, Health, Nutrition & Food search) – Population Problems and growth pattern of population, Theory of Demographic Transition.

Unit 3: International Aspects of Economic Development

International trade as an Engine of Growth , Static and Dynamic gains from trade, Prebisch Singer and Myrdal thesis VS. Free trade, Export – led growth, Dual gap analysis, Balance of Payments, Tariffs and effective protection, Post GATT International economic order, WTO and Developing countries.

Basic Reading List:

Economic Thought, Vikas Publishing House.

- Blaug, M. (1997), Economic Theory in Retrospect: A History of Economics Thought from Adam Smith to J.M, Keynes (5th Ed.) Cambridge.
- Gide, C and G. Rist(1956), A History of Economic Doctrine (2nd Ed.), George Harrod and Co. London.
- Gide, A. And A.E. Thomson (1980), The Development of Economic Doctrine (2nd Ed.), Longman Group, London.
- Hejala, T.N. (1997), History of Economic Thought, Konark Publishers Pvt Ltd.
- Roll, E. (1973), A History of Economic Thought, Faber, London.
- Mishra S.K. and V.K. Puri(2006), Economics of Development and Planning, Theory and Practices, Himalaya Publishing House.
- Todaro, M.P. and Stephen C. Smith (2009), Economic Development, Pearson Education.

SEMESTER	V
PAPER NO	XI
PAPER CODE	ECC501
TITLE	Statistical Analysis

Unit 1: Introduction to Statistics

Definition and Scope, Data Collection, Primary and Secondary data, Census and sampling methods, Graphic, Diagrammatic and Tabular presentation of data.

Unit 2: Central Tendency and Dispersion

Measures of Central tendency, Mean, Median, Mode, Geometric Mean and Harmonic Mean, Measures of Dispersion, Range, Mean Deviation, Standard Deviation, Coefficient of variation, Moments, Skewness and Kurtosis.

Unit 3: Correlation and Regression

Correlation – simple, coefficient of correlation – Karl Pearson and rank Correlation, Regression Analysis, Least squares Method, Interpretation of Regression Coefficient, Time Series, Concept and Estimation of Trend line.

Unit 4: Index Numbers

Index numbers – concept, price relative, Quantity, Value relative, Laspeyer’s, Paasche’s formula and Fisher’s Test for Ideal Index Number, Problems in the construction and limitation of index number, Construction of Cost of Living Index.

Unit 5: Probability and Distribution

Probability – Concept and Rules of probability (Addition and Multiplication) random variables, mathematical expectation, Theoretical distribution- Binomial, normal and Poisson distribution, their properties.

Basic Reading List:

- Allen, R.G.D (1974), Mathematical Analysis for Economist, Macmillan Press and ELBS, London.
- Chiang. A.C. (1986), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
- Mongia. D.S. (2006), Mathematics and Statistics for Economics, Vikash Publishing House.
- Speigel, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book, London.
- Yamane, Taro, (1975), Mathematics for Economics, Prentice Hall of India, New Delhi.
- Goon, A.M., Gupta, M.K., Das Gupta B. (2013): Fundamentals of Statistics, Vol – I, World Press Ltd, Calcutta.

SEMESTER	V
PAPER NO	XII
PAPER CODE	ECC502
TITLE	History of Economic Thought - I

Unit 1: Early Period

Mercantilism – Main Characteristics, Thomas Munn – Physiocracy, Natural order, Primacy of Agriculture, Social classes, Tableau Economique, Taxation, Turgot – Economic ideas of Petty, Locke and Hume.

Unit 2: Classical Period

Adam Smith – Division of labour, Theory of value, Capital accumulation, Distribution, Views on Trade Economic Progress; David Ricardo – Value, Theory of Rent, Distribution, Ideas on Economic Development and International Trade; Thomas R. Malthus – Theory of Population, Sismondi, Karl Marx – Dynamic ideas of J.B. Say, J. S. Mill, Historical School – Senior, List.

Basic Reading List:

- Bhatia H.L. History of Economic Thought, Vikas Publishing House.
- Blaug, M. (1997), Economic Theory in Retrospect: A History of Economics Thought from Adam Smith to J.M, Keynes (5th Ed.) Cambridge.
- Gide, C and G. Rist(1956), A History of Economic Doctrine (2nd Ed.), George Harrod and Co. London.
- Gide, A. and A.E. Thomson (1980), The Development of Economic Doctrine (2nd Ed.), Longman Group, London.
- Hejala, T.N. (1997), History of Economic Thought, Konark Publishers Pvt Ltd.
- Roll, E. (1973), A History of Economic Thought, Faber, London.

SEMESTER	VI
PAPER NO	XIII
PAPER CODE	ECC601
TITLE	History of Economic Thought - II

Unit 1: Marginalists

The precursors of marginalism – Cournot, Thunen, Gossen; The Marginalist revolution, Jevons, Wlaras and Manger; Bohm-Bawark, Wicksell and Fisher; the rate fo interest Wickstead and Weiser; Distribution-Marshall as a great synthesizer, role of time in price determination, economics methods, ideas on consumer’s surplus, elasticities, prime and supplementary costs, representative firm, external and internal economics, quasi-rent, organisation as a factors of production, nature of profits; Pigou; Walfare Economics; Schumpeter; Role of entrepreneur and innovations.

Unit 2: Indian Economic Thought

Modern Economic ideas; Naoraoji, Ranade; Economic ideas of Gandhi; Village, Swadeshi, place of machine and labour, cotttage industries trusteeship.

Basic Reading List:

- Bhatia H.L. History of Economic Thought, Vikas Publishing House.
- Blaug, M. (1997), Economic Theory in Retrospect: A History of Economics Thought from Adam Smith to J.M, Keynes (5th Ed.) Cambridge.
- Gide, C and G. Rist(1956), A History of Economic Doctrine (2nd Ed.), George Harrod and Co. London.
- Gide, A. and A.E. Thomson (1980), The Development of Economic Doctrine (2nd Ed.), Longman Group, London.
- Hejala, T.N. (1997), History of Economic Thought, Konark Publishers Pvt Ltd.
- Roll, E. (1973), A History of Economic Thought, Faber, London.

SEMESTER	VI
PAPER NO	X IV
PAPER CODE	ECC602
TITLE	Economics of Education and Health

Unit1: Concept of Economics of Education-Educational production function; Education, productivity and income; Educational indicators; Education and Economic development; Human development-concept and measurement; Educational costs and benefits-Educational cost function, cost benefit model; Educational planning and manpower; NGOs and Human Resource Development.

Unit 2: Economics of Health-Concept, dimensions and indicators; Determinants of health status; Disease burden and its measurement; Hospital as a firm; Economic appraisal in health care – Cost benefit and cost effectiveness approaches; Health planning and management; Primary health care and health for all; Community health care; Environment and health; International health organization – WHO and other United Nations agencies.

Unit 2: India’s Educational system – Problems and suggestions; Human capital in India; National policy on education and health; Health programme and infrastructure; Financing of education and health programmes in India; Expenditure on health and education during post reform period; Health care system in India; Health, poverty and economic growth in India.

Basic Readings

- Mark Blaug: Economics of Education: Selected Readings, vol. I and II Edward Elger.
- Schultz, T.W. : Investment in Human Capital.
- Ritzen, J.M.M. : Education, Economic Growth and Income Distribution.
- Folland, Goodman and Stano; The Economics of Health and Health Care.
- Thomas E. Getzen: Health Economics.
- Mahbubul Hag: Quality of life.
- Martha Nussbaum and Amartya Sen: Quality of life.
- Human Development Report 2007.
- National Human Development Report 2001.
- Report on National Commission on Macroeconomics and Health (2015 Onward)
- Economics Survey (2015 Onward)

SEMESTER	V
PAPER NO	DSE1
PAPER CODE	ECCDSE1501A (Group - A)
TITLE	Mathematical Economics-I

Unit 1: Quantitative Methods

Variables, Constants and Parameters, Simple Functional relationship and their Graphs, Elementary ideas of differential and integral Calculus, Matrix and Determinants, Solution of simultaneous equation, Quadratic equation, Difference and Differential equation.

Unit 2: Consumer Theory

Utility function, Budget line, Constrained optimization, Consumer equilibrium, Income effect, Substitution effect, Slutsky equation, Derivation of demand curve, Elasticity of demand, Consumers Surplus.

Unit 3: Theory of Production

Properties of Production function – homogenous and non- homogenous, Cobb-Douglas, CES, Returns to scale, Technology progress and production function, Choice of optimal Combination of factors of production, cost and revenue functions, Derivation of cost Curves, Relation between total, average and marginal cost and revenue, Producer's Surplus, Production Possibility Curve, Adding- up theorem.

Basic Reading List:

- Baumol W.J. Economic Theory & Operational Analysis Yamane, Mathematics for Economics.
- Chiang, A.C. Fundamental Methods of Mathematical Economics.
- Allen, R.G.D (1974), Mathematical Analysis for Economist, Macmillan Press and ELBS, London.
- Chiang. A.C. (1986), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
- Mongia. D.S. (2006), Mathematics and Statistics for Economics, Vikash Publishing House.
- Speigel, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book, London.
- Yamane, Taro, (1975), Mathematics for Economics, Prentice Hall of India, New Delhi.
- Madnani, G.M.K and Mehta, B.C., Mathematical for Economics, Sultan and Sons Publication, New Delhi.

SEMESTER	V
PAPER NO	DSE1
PAPER CODE	ECCDSE1501B (Group-B)
TITLE	Agriculture Economics-I

Unit 1: Rural Economy of India

Structure of the India economy – Place of Agriculture in Rural Economy, Composition of the India rural economy, Farm Sector and non - farm sector, diversification of agriculture and allied activities (Fisheries, Horticulture, Floriculture), Forestry in India– Its growth, Problems and State policies, Cattle wealth of India dairying, Rural industrialization – Food Processing and Agro based industries, Development of rural infrastructure.

Unit 2: Development of Agriculture

Role and importance of agriculture in economic development, linkages between the agriculture sector and the non- agricultural sector, changing nature of linkages; Agricultural resources in India– Land utilization and Cropping pattern, Irrigation in India; command area development and flood control; Trends in agricultural growth and agricultural productivity, Pattern of agricultural development, regional variation.

Unit 3: Agrarian Relation and Land Reforms in India

Agrarian relation – Historical evolution and land reforms program during 1950's and reforms; Programs and performance during the 1970's and after.

Basic Reading List:

- Bhaduri, A. (1984), The Economic Structure of Back ward Agriculture, Macmillan, Delhi.
- Bilgrami, S. A. R. (1996) Agricultural Economics, Himalaya Publishing House, Delhi.
- Dantwala, M.L. et. Al (1991) Indian Agricultural Development Since Independence, Oxford and IBH, New Delhi.
- Government of India (1976), Report of the National Commission on Agriculture, New Delhi.

SEMESTER	V
PAPER NO	DSE2
PAPER CODE	ECCDSE2502A (Group A)
TITLE	Mathematical Economics -II

Unit 1: Market Structure/ Pricing

Concept of equilibrium, Equilibrium of the firm under Perfect competition, Monopoly, Price discrimination, Monopolistic competition, Subsidies and taxes, Economies of Scale, Market equilibrium.

Unit 2: Input – Output Analysis, Linear Programming

Input – output analysis, the simple closed and open model, Linkages and concepts and measurement, Dynamic Input – output model, Linear Programming – Basic concepts of primal and dual, Theorems of Linear Programming, Graphical method .

Unit 3: Game Theory

Introduction and Concepts – simple and strategy, Saddle point solution, Prisoners dilemma, Pay – off matrix of a game – Two Person zero -sum- game.

Basic Reading List

- Allen, R.G.D (1976), Mathematical, Macmillan, London.
- Arrow, K.J. and M. Intrilligator, (Eds) (1992), Hand Book of Mathematical Economics, Vol. 1, 2 and 3, North Holland, Amsterdam.
- Henderson, J.M and R.E. Quandt (1980), Micro Economic Theory - A Mathematical Approach, McGraw Hill, New Delhi.
- Allen, R.G.D., Mathematical Analysis for Economics.
- Chiang, A.C. Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
- Chung J.W. (1993), Utility and Production; Theory and Applications. Basil Blackwell, London.

SEMESTER	VI
PAPER NO	DSE2
PAPER CODE	ECCDSE2502B (Group B)
TITLE	Agriculture Economics – II

Unit 1: Technological Change in Agriculture

Technology in agriculture; traditional techniques and practices; HYV seed-Fertilizer, Water technology (Green Revolution); Sustainable Agriculture; emerging trends in Agriculture Technology; dry land farming; use of Bio-technology techniques.

Unit 2: State and Agriculture – I

Agricultural finance in India : Importance; types of requirements; sources, non-institutional and institutional; existing rural credit delivery system (multi agency approach); Agricultural marketing in India; Market and Marketing functions, channels of distribution of various commodities, Regulated Market and Warehousing; Role of cooperatives in agriculture..

Unit 3: State and Agriculture – II

Agriculture Planning in India : Decentralized planning and indicative planning; incentives in agriculture : Price and non-price incentives; input subsidies; Agriculture price policies (APP), Nature of demand and supply of agriculture products, need for state intervention; objectives of APP instruments and evaluation; Food security in India and public distribution system.

Unit 4: Sixty Years of Indian Agriculture

An overview of Agriculture development; under employment and unemployment in rural economy; Globalization of Indian economy and its effects on Indian Agriculture.

Basic Reading List :-

- Bhaduri, A. (1984), The Economic Structure of Back ward Agriculture, Macmillan, Delhi.
- Bilgrami, S. A. R. (1996) Agricultural Economics, Himalaya Publishing House, Delhi.
- Dantwala, M.L. et. Al (1991) Indian Agricultural Development since Independence, Oxford and IBH, New Delhi.
- Government of India (1976), Report of the National Commission on Agriculture, New Delhi.

Choose any one Paper C or D

SEMESTER	VI
PAPER NO	DSE3 (C)
PAPER CODE	ECCDSE3601C
TITLE	Econometrics

Unit 1: Introduction

Definition and scope of Econometrics, The Methodology of Econometrics Research, Specification and estimation of an Econometrics Model, Basic Concepts of estimation, Desirable properties of estimators, Unbiasedness efficiency, Consistency and Sufficiency.

Unit 2: Simple Regression Analysis and Theoretical Distribution

Statistical VS. Deterministic relationships, Correlation and Regression, coefficient of determination, Estimation of an equation, Theoretical frequency distribution and application of Binomial, Poisson and Normal, Testing of hypothesis, type I and Type II errors, Standard errors, Tests bases on Z, t, X^2 (Chi square) Statistics.

Unit 3: Estimation Theory

Ordinary least square (OLS) methods – assumptions, Gauss - Markow theorem, Testing of Regression co-efficient, test for regression as a whole, coefficient of determination, F test.

Unit 4: Problems in OLS Estimation

Problems of heteroscedacity, Auto-correlation (first order), Multicollinearity-their consequences, test and remedies.

Unit 5: Application of Econometric Methods

Production and cost functions and consumption function.

Basic Reading List:

- Amemiya, T. (1985) Advanced Econometrics, Harvard University Press, Cambridge, Mass.
- Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
- Donghery, C. (1998), Introduction to Econometrics, Oxford University Press, New York.
- Goldberger, A.S. (1998), Introductory to Econometrics, Harvard University Press, Cambridge, Mass.
- Koutsoyiannis A. (1977), Theory of Econometrics, (2nd Edition) The Macmillan Press Ltd.

SEMESTER	VI
PAPER NO	DSE3 (D)
PAPER CODE	ECCDSE3601D
TITLE	Demography

Unit 1: Introduction

Demography – Meaning, importance, relation with other disciplines.

Unit 2: Population Study

Population study, Theories of Population – Malthus, Optimum theory of Population and theory of Demographic Transition, Historical evidence of Population growth in developed and developing countries.

Unit 3: Sources of Demography Data in India

Sources of Demography data in India, Census- civil registration system and demographic surveys, National Family Health Survey – I and II – their relative merits and demerits.

Unit 4: Structure of Population

Population trends in the Twentieth Century, Population explosion - Threatened or real, distant or imminent, International aspects of population growth and distribution, Pattern of age and sex structure in more developed and less developed countries, determinants of age and sex structure, Demographic effects of sex and age structure, economic and social implications, Age Pyramids and projection, Individual ageing and population ageing.

Unit 5: Population Projection

Techniques of Population Projection – concept of stationary, stable and quasi -stationary Population; ageing of population in India , changes in family structure and old age security.

Unit 6: Population Policy

Salient features of Population census of 2001, and 2011; evolution of population policy in India, Shift in Policy -focus from population control to family welfare and to women empowerment; demographic status and household behaviour – education, women’s autonomy and fertility population, Health, Poverty and Environment linkage in India, the New Population Policy.

Unit 7: Migration and Urbanization

Concepts and Causes.

Basic Reading List:

- Agarwala, S.N. (1972), India’s Population Problem, Tata McGraw Hill Co. Bombay.
- Boss, A. (1996), India’s Basic Demographic, Statistics, B.R. Publishing Corporation, New Delhi.
- Bogue, DJ. (1971), Principles of Demography , John Wiley New York.
- Chenry, H. and T .N. Srinivasm (Eds) (1989), Handbook of Development Economic, Vol. 1& 2, Elsevier, Amsterdam.
- Choubey , P.K. (2000), Population Policy in India, Kanishka Publication, New Delhi.
- Coale, A.J. & E.M. Hoover (1958), Population Growth & Economic Development in Low Income Countries: A case study of India’s Prospects, Princeton University Press, Princeton.

SEMESTER	VI
PAPER NO	DSE4
PAPER CODE	ECCDSE4602
TITLE	Project Work (Compulsory)

ELECTIVE (GE)

SEMESTER	I (B.A Part-I)
PAPER NO	(Elective GE-I)
PAPER CODE	ECK101/ELGE-1
TITLE	Macro Economics 1

Unit 1 - National Income and Related Aggregates

Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.

Circular flow of income; Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method. Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross and Net Domestic Product (GDP and NDP) -

Unit 2 - Money and Banking

Money - meaning and supply of money - Functions of Money, Kinds of Money, Interest Rates and Return. Money creation by the commercial banking system.

Commercial Banks- Functions and Importance, Process of Credit Creation; The Reserve Banking of India: Functions and Instruments of credit control, Recent Monetary Policy of RBI.

Unit 3

Financial sector: Money and Capital Markets in India: Structure, Functions and Significance; SEBI: Powers and Functions; Non-Bank Financial Intermediaries- Role and Significance; Recent Financial Sector Reforms in India.

Unit 4. Balance of Payments

Balance of payments account - meaning and components; balance of payments deficit- meaning. Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market.

Readings:

1. Bailey Roy (2005) The Economics of Financial Markets
2. D.M. Mithani: Money, Banking and Public Finance
3. A.D. Bain (1992) Economics of the Financial System 11
4. Suraj.B.Gupta: Monetary Economics - Institutions, Theory & Policy;S Chand publications
5. Suraj.B.Gupta:Monetary Planning for India
6. Khan,MY: Indian Financial System;Tata-McGrawhill
7. M.K. Lewis (2000), Monetary Economics, OUP
8. M.R. Baye, D.W. Jansen (1996), Money Banking and Financial Markets, AITBS, (Indian Edition)
9. Maurice Levi (1999), International Finance, Tata McGraw Hill
10. L.M. Bhole (1999), Financial Institutions and Markets, Tata McGraw Hill
11. R.R.Paul "Monetary Economics"
12. R.B.I. Bulletin, Annual Report; Report on Currency and Finance

SEMESTER	II (B.A Part-I)
PAPER NO	Elective GE2
PAPER CODE	ECK202/ELGE-2
TITLE	Macro Economics

1. Nature and significance of Macroeconomics, Circular Flow of Income.
2. Money – Role of Money in Planned and Unplanned Economy,
3. Value of Money – Quantity Theory of Money, Fisherion and Combridge Version.
4. Inflation – Causes, Effects and Control of Inflation.
5. Objective of Monetary Policy.
6. Banking – Functions of Central and Commercial Banks, Credit Creation, Methods of Credit Control .
7. I.M.F , I.B.R.D – Objectives & Functions.

Basic Reading List

- M.C. Vaish, Monetary Theory.
- T. T. Sethi, MaudrikArthshastra and AntarrashtriyaVyapar .
- M. L. Seth, Monetary Theory.
- M. L. Jhingan, SamshtihArthshastra.

SEMESTER	III (B.A Part-II)
PAPER NO	Elective GE3
PAPER CODE	ECK301/ELGE-3
TITLE	Public Finance & International Trade

1. Nature and Scope of Public finance, Distinction between Private and Public finance.
2. Principles of Maximum Social Advantage. Market Failure, Role of the Government.
3. Principle of Taxation – Ability to Pay Theory.
4. Growth of Public Expenditure – Causes and Effects.
5. International Trade – Comparative Cost Theory of International Trade.
6. Gains from International Trade.
7. Balance of Payments and Methods of correcting Adverse Balance of Payments.
8. W.T.O

Basic Reading List:

- M. L. Jhingan, Lokvitta and ArthrashtiyaVyapar.
- T.T Sethi, Mudra, Banking and AntarrashtriyaVyapar.
- B. P. Tyagi, Public Finance.
- H.N.P.S, Suman – Rajashwa Ke Siddhant.

SEMESTER	IV (B.A Part-II)
PAPER NO	Elective GE4
PAPER CODE	ECK404/ELGE-4
TITLE	Indian Economy

1. Characteristics of Indian Economy.
2. Population – Size, Growth and Population Policy.
3. Natural Resources – Forest Policy, Energy Policy.
4. Agriculture – Causes of Backwardness of Indian Agriculture.
5. New strategy of Agriculture Development, Green Revolution.
6. Agricultural Credit – Cooperatives , Commercial Banks, Rural Banks, NABARD.
7. Industrial Policy.
8. Large scale Industries – Iron and Steel, Cotton Textile and Sugar.
9. Small Scale Industries – Importance and Problems.
10. Important Areas of Concern – Poverty and nequality, Unemployment, Rising Prices.
11. Basic Features of the Jharkhand Economy – Demography, Agriculture, Industries, State Economic Policy.

Basic Reading List:

- Mishra and Puri, BharatiyaArthshstra.
- Mishra and Puri, Indian Economy.
- S.C. Gupta, AdhunikArthvyavashtha.
- R.Dutta and K.P.M. Sundaram, Indian Economy.
- A.N. Agarwal, Indian Economy – Problmes and Developments.

Netaji Subhas University, Jamshedpur
Department of English

Courses of Study under Choice Based Credit System

B.A. English Honours

Effective from: 2019-20
Department of English
Courses of Study – B.A. (English Honours)
Course Structure

Semester I:

Core Course I	: 100 Marks
Core Course II	: 100 Marks
Generic Elective I	: 100 Marks
AECC I (MIL)	: 50 Marks

Semester II:

Core Course III	: 100 Marks
Core Course IV	: 100 Marks
Generic Elective II:	100 Marks
AECC II (EVS)	: 50 Marks

Semester III:

Core Course V	: 100 Marks
Core Course VI	: 100 Marks
Core Course VII	: 100 Marks
Generic Elective III	: 100 Marks
SEC I (GK & CA)	: 50 Marks

Semester IV:

Core Course VIII	: 100 Marks
Core Course IX	: 100 Marks
Core Course X	: 100 Marks
Generic Elective IV	: 100 Marks
SEC II (PD)	: 50 Marks

Semester V:

Core Course XI	: 100 Marks
Core Course XII	: 100 Marks
Elective (DSE I)	: 100 Marks
Elective (DSE II)	: 100 Marks

Semester VI:

Core Course XIII	: 100 Marks
Core Course XIV	: 100 Marks
Elective (DSE III)	: 100 Marks
Elective (DSE IV)	: 100 Marks

Total Marks: 2400

Department of English
Courses of Study – B.A. (English Honours)
Core Course in English

COURSE STRUCTURE

Semester I:

Core I- Introduction to Literature

Core II- History of English Literature from the Beginning to the Romantic Period

Semester II:

Core III- British Poetry: From the Age of Elizabeth to the Romantic Period

Core IV- British Novel: Up to the Romantic Period

Semester III:

Core V- British Drama: From the Age of Elizabeth to the Romantic Period

Core VI- British Non-Fictional Prose: From the Age of Elizabeth to the Romantic Period

Core VII- History of English Language

Semester IV:

Core VIII- History of English Literature: From the Age of Victoria to the Post-Modern

Core IX-Literary Criticism: From Aristotle to I. A. Richards

Core X-British Poetry: From the Age of Victoria to the Present

Semester V:

Core XI-British Drama: From the Age of Victoria to the Present

Core XII-British Novel: From the Age of Victoria to the Present

DSE 1 A: -Indian Writing in English: Poetry & Drama

DSE 1 B: American Literature: Poetry & Drama

DSE 2 A: Indian Writing in English: Novel

DSE 2 B: American Literature: Novel

Students should study Two Discipline Specific Elective (DSE) courses in Fifth Semester. Students are required to make a choice between DSE 1A and DSE 1B and similarly between DSE 2 A and DSE 2 B.

Semester VI:

Core XIII-British Essays & Short Stories: From the Age of Victoria to the Present

Core XIV-Modern Literary Criticism

DSE 3 A:Introduction to Linguistics

DSE 3 B:Introduction to Cultural Studies

DSE4 : Project Work

Students should study Two Discipline Specific Elective (DSE) courses in Sixth Semester. Students are required to make a choice between DSE 3 A and DSE 3 B. DSE 4 is project work.

Question Pattern and Marking Scheme:

Each course will be of the value of **100 Marks (6 Credits)**. There will be a **Continuous Internal Assessment of 30 Marks** and an **End Semester Exam (ESE)** of **70 marks**. The Continuous Internal Assessment will be based on: Mid Term Tests = 15 Marks, Assignments/Projects/Posters/Quiz/Seminar = 10 Marks and Classroom attendance and active participation with leadership qualities, good manners and articulation in routine class, instructional deliveries (case studies/seminars/presentations) = 05Marks,

Courses of Study-B.A. (Honours) in English

Semester -I

Core Course 1(C1)– Introduction to Literature

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Literature: Meaning and Significance; Poetry-Definition, Types and Characteristic Features; Drama- Definition, Types and Characteristic Features; Fiction – Definition, Types and Characteristic Features; Non-fiction- Travel Writings, Memoirs, Biography, Autobiography; Literary Criticism- Nature, Types and Functions of Criticism.

Fiction-Narrative Point of View, Plot, Setting, style.Types of Fiction- Anti-novel, Romance, Climax.

Source Books:

B Prasad,*A Background to the Study of English Literature*, MacMillan

M H Abrams & Geoffrey Galt Harpham,*A Handbook of Literary Terms*, Ceanage Learning

Recommended Readings:

Oxford Companion to English Literature, OUP

WH Hudson,*An Introduction to the Study of English Literature*, Booksway Kolkata

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the topics prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives on the topics prescribed. 4x05 =20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Core Course 2 (C2) – History of English Literature from the Beginning to the Romantic Period

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Anglo- Saxon Age, Medieval English Literature; The Renaissance; Elizabethan Literature; Literature during the Jacobean Period; The Caroline Period; Restoration Literature; The Augustan/Neo Classical Age; The Age of Transition, The Romantic Age. Victorian Age,

Source Books:

W J Long, *History of English Literature*, Kalyani Publishers

Ifor Evans, *A Short History of English Literature*, Penguin

Recommended Readings:

David Daiches, *A Critical History of English Literature*, Supernova Publishers

Pramod K Nayar, *A Short History of English Literature*, Foundation Books

Ronald Carter & John Mcrae, *The Routledge History of Literature in English*

George Sampson, *Concise Cambridge History of English Literature*

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the topics prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives on the topics prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Semester -II

Core Course 3 (C3) – British Poetry: From the Age of Elizabeth to the Romantic Period

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

William Shakespeare	: Sonnet 18
John Donne	: A Valediction: Forbidding Mourning
Andrew Marvell	: To His Coy Mistress
John Milton	: On His Blindness
John Dryden	: A Song for St. Cecilia's Day
Thomas Gray	: Elegy Written in a Country Churchyard
William Wordsworth	: Three Years She Grew
Samuel Taylor Coleridge	: Kubla Khan
Percy Bysshe Shelley	: Ode to The West Wind
John Keats	: Ode to a Nightingale

Source Book:

David Green (Ed) *Winged Word*, MacMillan

Recommended Reading:

B Prasad, *A Short History of English Poetry*, Trinity Press

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the poems & poets prescribed. 2x15 = 30
2. Four explanations out of Eight alternatives from the poems & poets prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Core Course 4(C4) – British Novel: Up to the Romantic Period

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Daniel Defoe : *Robinson Crusoe*

Jonathan Swift : *Gulliver Travels*

Jane Austen : *Emma*

Marry Shelley : *Frankenstein*

Recommended Reading

E M Forster, *Aspects of Novel*, Penguin

D H Lawrence, *Why the Novel Matters*

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives from the texts prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Semester -III

Core Course 5 (C5) – British Drama: From the Age of Elizabeth to the Romantic Period

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

William Shakespeare : *Macbeth*

Oliver Goldsmith : *She Stoops to Conquer*

Recommended Reading:

Allardyce Nicoll, *History of English Drama*, Cambridge University Press

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four explanations out of Eight alternatives from the texts prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Core Course 6 (C6) – British Non Fictional Prose: From the Age of Elizabeth to the Romantic Period

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Francis Bacon	: Of Studies
Richard Steele	: Recollections of Childhood
Jonathan Swift	: A Modest Proposal
Oliver Goldsmith	: On National Prejudice
Charles Lamb	: Dream Children
William Hazlitt	: On Familiar Style

Source Book:

Susanta K Sinha(Ed) *English Essayists*, OUP

Recommended Reading:

A C Benson, The Art of Essayist

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives from the texts prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Core Course 7 (C7) BRITISH POETRY AND DRAMA:18TH CENTURY

UNIT I:

Social, Political, Religious and Economic conditions of the respective period in England.

UNIT II.

Rape of the Lock-Alexander Pope (Cantos 1 to 3)

UNIT III:

The School for Scandal- Sheridan

UNIT IV:

The Tiger, The Lamb & Fly- William Blake

Suggested Readings:

1. Black, Jeremy
2. Clifford, James
3. Dobree, Bonamy

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the topics prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives from the topics prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment:30 Marks

Semester –IV

Core Course 8 (C8) – History of English Literature: From the Age of Victoria to the Post- Modern

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

The Victorian Age, The Edwardian Era, Avant Garde Movements – Cubism, Imagism, Surrealism, Expressionism, Impressionism, Dadaism, Modern & Postmodern Era; Commonwealth & Postcolonial Period

Source Books:

W J Long, *History of English Literature*, Kalyani Publishers

Ifor Evans, *A Short History of English Literature*, Penguin

Recommended Readings:

David Daiches, *A Critical History of English Literature*, Supernova Publishers

Pramod K Nayar, *A Short History of English Literature*, Foundation Books

George Sampson, *Concise Cambridge History of English Literature*

Ronald Carter & John Mcrae, *The Routledge History of Literature in English*

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the topics prescribed.
2x15 = 30
2. Four short notes out of Eight alternatives from the topics prescribed.
4x05 = 20
3. Ten objective type questions.
10x02 = 20

Continuous Internal Assessment: 30 Marks

Core Course 9 (C 9) – Literary Criticism: From Aristotle to I A Richards

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Aristotle	Theory of Imitation, Theory of Tragedy
Longinus	Sources of Sublimity
Philip Sydney	His Classicism & Defence of Poetry
John Dryden	Ancient vs. Moderns, French vs. English, Prose vs. Verse
William Wordsworth	Theory of Poetry & Poetic Diction
S T Coleridge	Fancy and Imagination
Matthew Arnold	Poetry as Criticism of Life & Touchstone Method
T S Eliot	Impersonality of Art & Objective Correlative
I A Richards	Psychology and Literary Appreciation

Source Book:

B. Prasad, *An Introduction to English Criticism*, MacMillan

Recommended Readings:

Charles E Bressler, *Literary Criticism, An Introduction to Theory and Practice*, Longman

M.H. Abrams & Geoffrey Galt Harpham, *A Handbook of Literary Terms*, Cengage Learning

Oxford Companion to English Literature, OUP

Patricia Waugh, *An Oxford Guide to Literary Theory and Criticism*

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the topics prescribed.
2x15 = 30
2. Four short notes out of Eight alternatives from the topics prescribed in the core course.
4x05 = 20
3. Ten objective type questions.
10x02 = 20

Continuous Internal Assessment: 30 Marks

Core Course 10 (C 10) – British Poetry: From the Age of Victoria to the Present

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Alfred Tennyson	Break, Break, Break
Robert Browning	My Last Duchess
Matthew Arnold	Dover Beach
W B Yeats	The Second Coming
T S Eliot	The Love Song of J Alfred Prufrock
W H Auden	Lay Your Sleeping Head
Siegfried Sassoon	The Death Bed
Wilfred Owen	Insensibility
Stephen Spender	I Think Continually of Those Who Were Truly Great
Philip Larkin	Wants

Source Book:

David Green (Ed), *Winged Word*, MacMillan

Recommended Reading:

B Prasad, *A Short History of English Poetry*, Trinity Press

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the poems & poets prescribed. $2 \times 15 = 30$
2. Four explanations out of Eight alternatives from the poems prescribed. $4 \times 05 = 20$
3. Ten objective type questions. $10 \times 02 = 20$

Continuous Internal Assessment: 30 Marks

Semester –V

Core Course 11 (C 11) – British Drama: From the Age of Victoria to the Present

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

G. B. Shaw

Candida

Samuel Beckett

Waiting for Godot

Recommended Reading:

Allardyce Nicoll, *History of English Drama*, Cambridge University Press

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the texts prescribed.
2x15 = 30
2. Four explanations out of Eight alternatives from the texts prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Core Course 12 (C 12) – British Novel: From the Age of Victoria to the Present

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Emily Bronte	<i>Wuthering Heights</i>
Charles Dickens	<i>Oliver Twist</i>
Thomas Hardy	<i>Return of the Native</i>
George Orwell	<i>Animal Farm</i>

Recommended Reading

E M Forster, *Aspects of Novel*, Penguin

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the texts prescribed.
2x15 = 30
2. Four short notes out of Eight alternatives from the texts prescribed.
4x05 = 20
3. Ten objective type questions.
10x02 = 20

Continuous Internal Assessment: 30 Marks

DSE 1A –Indian Writing in English: Poetry & Drama

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Unit I: Poetry

Toru Dutt	Baugmaree
Rabindranath Tagore	Heaven of Freedom
Sarojini Naidu	The Queen's Rival
R.K Narayana	Coolie
JayantMahapatra	Hunger
A K Ramanujam	River

Source Book:

An Anthology of Indian Poetry in English, Ed. By a Board of Editors, Orient Blackswan

Unit II: Drama

Girish Karnad	<i>Tughlaq</i>
Mahesh Dattani	<i>Tara</i>

Recommended Readings:

Bruce King, *Modern Indian Poetry in English*, Oxford University Press

KaustavChakraborty, *Indian English Drama*, Prentice Hall

K Srinivasalyengar, *Indian Writing in English*, Sterling

M K Naik, *A History of Indian English Literature*, SahityaAkademi

M K Naik&Shyamala Narayan, *Indian English Literature; A Critical Survey 1980-2000*, Pencraft

Mahesh Dattani, *Me and My Plays*

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. One long answer type critical question out of Four alternatives from the texts prescribed in Unit I. 1x15 = 15
2. One long answer type critical question out of Four alternatives from the texts prescribed in Unit II. 1x15 = 15
3. Two explanations out of Four alternatives from the texts prescribed in Unit I. 2x05 = 10
4. Two explanations out of Four alternatives from the texts prescribed in Unit II. 2x05 = 10
5. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

DSE 1 B – American Literature: Poetry & Drama

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Unit I: Poetry

Walt Whitman	Ethiopia Saluting the Colour
Longfellow	My Lost Youth
Robert Frost	Mending Walls
Emily Dickinson	Hope is the Thing
Sylvia Plath	Birthday Present
Theodore Roethke	Cuttings & Cuttings (later)
Allen Ginsberg	Howl
Maya Angelou	On the Pulse of Morning

Source Book:

The Golden Treasury, Palgrave, Rupa & Co

Unit II: American Drama – Textual Readings

Tennessee Williams	<i>The Glass Menagerie</i>
Arthur Miller	<i>All My Sons</i>

Recommended Readings:

Richard Ruland & Malcolm Bradbury, *From Puritanism to Post- Modernism: A History of American Literature*, Penguin

Richard Gray, *History of American Literature*, Wiley-Blackwell

Richard Gray, *A History of American Poetry*, Wiley-Blackwell

Masud Ali Khan, *Modern American Drama*, Sublime Publications

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. One long answer type critical question out of Four alternatives from the texts prescribed in Unit I. 1x15 = 15

2. One long answer type critical question out of Four alternatives from the texts prescribed in Unit II. 1x15 = 15
3. Two explanations out of Four alternatives from the texts prescribed in Unit I. 2x05 = 10
4. Two explanations out of Four alternatives from the texts prescribed in Unit II. 2x05 = 10
5. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

DSE 2 A – Indian Writing in English: Novel

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

R. K. Narayan	<i>The Guide</i>
Raja Rao	<i>Kanthapura</i>
Bhabani Bhattacharya	<i>He Who Rides a Tiger</i>
Anita Desai	<i>Fire on the Mountain</i>

Recommended Readings:

M K Naik, *Studies in Anglo Indian Fiction*, Abhinav Publication

M K Naik, *Indian English Fiction: A Critical Study*, Pencraft

K Srinivasalyengar, *Indian Writing in English*, Sterling

M K Naik, *A History of Indian English Literature*, SahityaAkademi

M K Naik & Shyamala Narayan, *Indian English Literature; A Critical Survey 1980-2000*, Pencraft

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives from the texts prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

DSE2 B – American Literature: Novel

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Nathaniel Hawthorne	<i>The Scarlet Letter</i>
Mark Twain	<i>The Adventures of Huckleberry Finn</i>
Hemingway	<i>The Old Man and the Sea</i>
Toni Morrison	<i>The Bluest Eye</i>

Recommended Readings:

Richard Ruland & Malcolm Bradbury, *From Puritanism to Post- Modernism: A History of American Literature*, Penguin

Richard Gray, *History of American Literature*, Willey-Blackwell

Alfred Bendixen, *The Development of American Novel: The Transformation of Genre* Willey-Blackwell

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives from the texts prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Note: Students should study Two papers of Discipline Specific Elective (DSE) in Fifth Semester. Students are required to make a choice between DSE 1A and DSE 1B and similarly between DSE 2 A and DSE 2 B

Semester -VI

Core Course 13 (C 13) – British Essays & Short Stories: From the Age of Victoria to the Present

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Unit I: Short Stories

Thomas Hardy	The Three Strangers
Oscar Wilde	The Selfish Giant
O. Henry	The Dream
W. Somerset Maugham	Mr. Know-All

Unit II: Essays

E V Lucas	A Funeral
A G Gardiner	On Superstitions
Aldous Huxley	Selected Snobberies
J. B. Priestly	On Getting Off to Sleep

Source Books:

D. Thakur (Ed) *Selected Short Stories*, MacMillan

Susanta K Sinha (Ed), *English Essayists*, OUP

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. One long answer type critical question out of Four alternatives from the texts prescribed in Unit I. $1 \times 15 = 15$
2. One long answer type critical question out of Four alternatives from the texts prescribed in Unit II. $1 \times 15 = 15$
3. Two short notes out of Four alternatives from the texts prescribed in Unit I. $2 \times 05 = 10$
4. Two short notes out of Four alternatives from the texts prescribed in Unit II. $2 \times 05 = 10$
5. Ten objective type questions. $10 \times 02 = 20$

Continuous Internal Assessment: 30 Marks

Core Course 14 (C 14) – Modern Literary Criticism

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Liberal Humanism, Modernism, Formalism, Structuralism, Post-Structuralism, Deconstruction, Post-Modernism, Marxism, Feminism, Post-Colonialism, Psychoanalytical Criticism, Queer Theory, Eco Criticism

Source Book:

Peter Barry, *Beginning Theory*

Recommended Readings:

Charles E Bressler, *Literary Criticism, An Introduction to Theory and Practice*, Longman

M H Abrams & Geoffrey Galt Harpham, *A Handbook of Literary Terms*, Cengage Learning

Oxford Companion to English Literature, OUP

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type critical questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives from the texts prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

DSE 3 A– Introduction to Linguistics

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Unit I: Introducing Linguistics

Linguistics – Definition, Scope & Branches, Linguistic Concepts: Langue and Parole, Synchrony and Diachrony, Signifier and Signified, Syntagmatic and Paradigmatic Relations, Form and Substance.

Unit II: Phonetics

Phonetics & Phonology, Phonemes, Sounds of English and their Phonetic Symbols, Organs of Speech, Air Stream Mechanism, Description of English Consonants, Description of English Vowels

Unit III: Morphology& Semantics

Morphemes, Types of Morphemes-Free, Bound, Derivational and Inflectional, Difference Between Inflectional and Derivational Morphemes, Process of Word Formation, What is Semantics?, Sentence & Utterance, Proposition, Contradiction, Entailment, Ambiguity and Paraphrase, Meaning-Denotative & Connotative, Meaning & Ambiguity, Synonymy &Antonymy, Homonyms, Polysemy, Semantic Change.

Unit IV: Syntax

Grammatical, Functional and Semantic Categories; Phrases – Noun Phrase, Adjective Phrase, Verb Phrase, Adverb Phrase, Prepositional Phrase; Clauses – Main Clauses, Subordinate Clauses; Subordination and Co-ordination, Basic Sentence Patterns, Type and Function of Sentences – Declarative, Interrogative, Imperative, Exclamatory; IC Analysis, Phrase Structure Grammar and Generative Grammar.

Source Books:

T BalaSubramaniam, *A Text Book of English Phonetics for Indian Students*

Sayal& Jindal, *Introduction to Liguistics, Language, Grammar & Semantics*

D. Thakur, *Phonetics*, Linguistics Simplified Series, BhartiBhavan

D. Thakur, *Morphology*, Linguistics Simplified Series, BhartiBhawan

D. Thakur, *Semantics*, Linguistics Simplified Series, BhartiBhawan

D. Thakur, *Syntax*, Linguistics Simplified Series, BhartiBhawan

Recommended Readings:

George Yule, *The Study of Language*

John Lyons, *Introduction to Theoretical Linguistics*

S K Verma, *Modern Linguistics*

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the topics prescribed. $2 \times 15 = 30$
2. Four short notes out of Eight alternatives from the topics prescribed. $4 \times 05 = 20$
3. Ten objective type questions. $10 \times 02 = 20$

Continuous Internal Assessment: 30 Marks

DSE 3 B – Introduction to Cultural Studies

End Semester Exam: 70 Marks

Internal Assessment: 30 Marks

Unit I: Introducing Culture & Cultural Studies

Culture: Definition and Scope

Cultural Studies: Definition, Scope and Methodology

Unit II: Key Concepts in Cultural Studies

Capitalism, Neo-Liberalism, Marxism & Neo Marxism, Psychoanalysis, Orientalism, Post-Colonialism, Nationalism and Post-Nation, Truth and Post-Truth, Subaltern Studies, Marginalisation, Body Culture and Power, Cultural Subjectivity, Culture and Democracy, Gender & Culture, Film & Culture, The Language of Cinema, Media & Culture, Media and Public Domain, Oral Narratives, Folk Culture, Techno-Culture, Contesting Culture

Source Books:

Pramod K Nayar, *An Introduction to Cultural Studies*, Viva Books

Brian Longhurst et al, *Introducing Cultural Studies*, Second Edition, Pearson Education

Recommended Readings:

John Storey, *What is Cultural Studies; A Reader*, Hodder Education

The Routledge Critical and Cultural Theory Reader

Amy Villarejo, *Film Studies; The Basics*, Routledge

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the topics prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives from the topics prescribed. 4x05 = 20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

Note: Students should study two papers of Discipline Specific Elective (DSE) in Sixth Semester. Students are required to make a choice between DSE 3 A and DSE 3 B. DSE 4 (Project Work) is required to be attempted by all students.

DSE 4 – Project Work

Total Marks: 100

Total Credits: 6

The department in consultation with the teachers concerned will assign the topics/areas for Project Work. Students will be assessed on the basis of their project and responses to the questions at viva voce examination.

Course of Study-B.A./B.Sc/B.ComHonours

AECC 1 English Communication

Semester –I

End Semester Exam: 35Marks

Internal Assessment: 15 Marks

UNIT I: Basic Grammar:

Noun & pronoun , Verbs, Tenses, Adjectives & Adverb, Article, Preposition, Conjunction, Phrases and Clause, Sentence Types, Transformations of sentences , Word meanings, synonym, antonym.

UNITII: Writing Skills

Essay/Paragraph Writing: Narrative, Descriptive & Expository, Journalistic Report Writing/Feature Writing/Writing Reviews/Columns, Expansion of an Idea, Dialogue Writing/Writing based on a Situation, Formal/Business Letters, Job Applications, Biodata/Resume/Curriculum Vitae

UNIT III: Oral Skills (Public Speaking, Viva Voce, Interview, Group Discussion& Presentation)

Oral Communication: Definition, Types, Advantages & Limitations, Effective Public Speaking, Viva Voce; Definition, Scope and Purpose, What is Interview? Types of Interview, Effective Interviewing, Group Discussion: Definition, Rules, Scope and Objective, Presentation Skills, Types of Presentation Skill, Techniques of Presentation, Effective Presentation

Source Books:

Terry O'Brien. *Modern Writing Skills*, Rupa Publications

PushpLata& Sanjay Kumar, *Communicate or Collapse: A Handbook of Effective Public Speaking, Group Discussion and Interviews*, Prentice Hall

Recommended Reading:

Ramchandran&Karthik, *From Campus to Corporate*, Pearson Education

Gangadhar Joshi, *Campus to Corporate: Your Roadmap to Employability*, Sage Publication

Examination, Evaluation and Distribution of Marks:-

End Semester: 35 Marks (1.5 Hours)

1. Two long answer questions out of Four alternatives on topics prescribed in Unit I.
2x10 = 20
2. Three short notes out of Eight alternatives from the topics prescribed in Unit 2.
3x05 = 15

Continuous Internal Assessment: 15 Marks

Courses of Study – B. A. Honours English (Generic Elective)

Effective from: 2019-20

COURSE STRUCTURE

Semester I:

GE 1: English GE I

Semester II:

GE II: English GEII

Semester III:

GE III: English GEIII

Semester IV:

GE IV: English GE IV

Question Pattern and Marking Scheme:

Each course will be of the value of **100 Marks (6 Credits)**. There will be a **Continuous Internal Assessment of 30 Marks**, an **End Semester Exam (ESE) of 70 Marks**. The Continuous Internal Assessment will be based on: Mid Term Tests = 15 Marks, Assignments/Projects/Posters/Quiz/Seminar = 10 Marks and Classroom attendance and active participation with leadership qualities, good manners and articulation in routine class, instructional deliveries (case studies/seminars/presentations) = 05Marks,

Courses of Study – B. A.Honours

English GE I (Generic Elective I)

ACADEMIC WRITING

1. Introduction to the Writing Process
2. Paragraph writing
3. Descriptive writing
4. Expression of opinion on a debatable issue
5. Note making
6. Book and media review

Book Prescribed: Renu Gupta, A Course in Academic Writing (New Delhi: Orient BlackSwan, 2010). Further Reading: Liz Hamp-Lyons and Ben Heasley, Study writing: A Course in Writing Skills for Academic Purposes (Cambridge: CUP, 2006).

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives on the texts prescribed. 4x05 =20
3. Ten objective type questions. 10x02=20
4. **Continuous Internal Assessment: 30 Marks**

**Courses of Study – B. A. Honours
English GE II (Generic Elective II)**

LANGUAGE & LINGUISTICS

Unit I: The Origin and Development of Language. • Characteristics of Language. • Animal Communication and Human Communication •

Unit II: Varieties of Language. • Language in Contact, Bilingualism, Multilingualism. • Language Change, Borrowings of words – Internal and External. •

Unit III: Linguistics as a Scientific Study of Language. • Scope and Branches of Linguistics. • Applied Linguistics •

Unit IV: Various levels of Linguistic Analysis:- Phonology • Morphology • Syntax • Semantics • Discourse Analysis

Suggested Reading: David Crystal: Linguistics. S K Verma and N K Krishnaswamy: Modern Linguistics. T Balasubramanian: A Textbook of English Phonetics. Mesthrie, Rajendra and Rakesh M Bhatt. 2008. World Englishes: The study of new linguistic varieties. Cambridge: Cambridge University Press. Fromkin,

V., and R. Rodman, An Introduction to Language, 2nd ed. (New York: Holt, Rinehart and Winston, 1974) Chapters 3, 6 and 7. Akmajian, A., R. A. Demers and R, M Harnish, Linguistics: An Introduction to Language and Communication, 2nd ed. (Cambridge, Mass.: MIT Press, 1984; Indian edition, Prentice Hall, 1991) Chapter 5 and 6. -----

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives on the texts prescribed. 4x05 =20

3. Ten objective type questions.

10x02 = 20

Continuous Internal Assessment: 30 Marks

**Courses of Study – B. A.Honours
English GE III (Generic Elective III)**

LITERATURE: POEMS & SHORT STORIES

Unit-1

- 1 Shakespeare— All the World a Stage
- 2 Donne—Go and Catch a Falling Star
- 3 Milton—On his Blindness
- 4 Pope- Ode on Solitude
- 5 Wordsworth- The Solitary Reaper
- 6 Keats – Ode to a Grecian Urn
- 7 C.G. Rossetti—Uphills
- 8 Robert Frost—Stopping by Woods on a Snowy Evening
- 9 A. K.Ramanujan-- Still Life
- 10 H LV Derozio—The Harp of India

Unit- 2 Short Stories: Leo Tolstoy—The Imp and the Peasant's Bread R.K.Narayan—An Astrologers Day O'Henry—The Dream Rabindranath Tagore—The Homecoming

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives on the texts prescribed. 4x05 =20

3. Ten objective type questions.

10x02 = 20

Continuous Internal Assessment: 30 Marks

**Courses of Study – B. A.Honours
English GE IV (Generic Elective IV)**

LANGUAGE, LITERATURE & CULTURE

Anthology prescribed: Our Heritage. Edited by Prof. B.K. Tripathi, New Delhi: Oxford University Press, 2001

Pieces prescribed: Romain Rolland: Vivekananda, Arnold J. Toynbee; A Tribute to Mahatma Gandhi,

C.E.M. Joad: Indian Philosophy, S. Radhakrishnan: Character is Destiny, Jawaharlal Nehru: What is Culture, James Jeans: The Mysterious Universe, Viscount Samuel: Man in Cosmos, Oliver Goldsmith:

The Man in Black, Charles Lamb: The Superannuated Man

Examination, Evaluation and Distribution of Marks:-

End Semester: 70 Marks (3 Hours)

1. Two long answer type questions out of Four alternatives on the texts prescribed. 2x15 = 30
2. Four short notes out of Eight alternatives on the texts prescribed. 4x05 =20
3. Ten objective type questions. 10x02 = 20

Continuous Internal Assessment: 30 Marks

NETAJI SUBHAS UNIVERSITY

Syllabus for Geography

**B.A.-I, B.A.-II & B.A.-III (Hons.), GE
& Compulsory Papers based on CBCS Pattern**

2019

SCHEME FOR CBCS IN B.A. HONS. PROGRAMME GEOGRAPHY

Semester	Courses	Paper	Marks (Credit)
I	CC-1	Introduction to Geography	70 (4)
	CC-2	Geo-Tectonic & Geomorphology	70 (4)
	CC (P)-1	Practical	60 (4)
	GE-1	Introduction of Geography	70 (4)
	GE (P)-1	Practical	30 (2)
	AECC-1	Eng. Communication/MIL Communication	50 (2)
II	CC-3	Contemporary issues in Geography	70 (4)
	CC-4	Human Geography	70 (4)
	CC (P)-2	Practical	60 (4)
	GE-2	Geomorphology	70 (4)
	GE (P)-2	Practical	30 (2)
	AECC-2	Environmental Science	50 (2)
III	CC-5	Climatology and Oceanography	70 (4)
	CC-6	Geography of India	70 (4)
	CC-7	Geography of Jharkhand	70 (4)
	CC (P)-3	Practical	90 (6)
	GE-3	India & Jharkhand	70 (4)
	GE (P)-3	Practical	30 (2)
	SEC-I	General Knowledge & Current Affairs	50 (2)
IV	CC-8	Economic Geography	70 (4)
	CC-9	Environmental Geography	70 (4)
	CC-10	Geography of Travel & Tourism	70 (4)
	CC (P)-4	Practical	90 (6)
	GE-4	Climatology and Oceanography	70 (4)
	GE (P)-4	Practical	30 (2)
	SEC-II	Personality Development	50 (2)

Semester	Courses	Paper	Marks (Credit)
V	CC-11	Geography of Asia	70 (4)
	CC-12	Northern Continents	70 (4)
	CC (P)-5	Practical	60 (4)
	DSE-1	Disaster Management	70 (4)
	DSE-2	Rural Development	70 (4)
	DSE (P)-1	Practical	60 (4)
VI	CC-13	Bio-Geography	70 (4)
	CC-14	Southern Continents	70 (4)
	CC (P)-6	Practical	60 (4)
	DSE-3	Climatic Change : Vulnerability & Adaptation	70 (4)
	DSE (P)-2	Practical	30 (2)
	DSE-4	Tour & Project	100 (6)

SCHEME FOR CBCS IN B.A. (HONS.) PROGRAMME (GEOGRAPHY)

FIRST SEMESTER – TOTAL 20 CREDITS

CORE COURSE – 1 (CC-1)

CORE-1 (Theory)

Introduction to Geography

4 credits (Teaching 4 hours per week minimum 48 teaching hours)

F.M. 70

Module - 1 :

Nature and scope of Geography : Geography as a science; place of Geography in classification of Sciences, concept of space and concept of landscape (Regional cultural).

Module - 2 :

Geography in Ancient (Greek, Rome and India) and Medieval period; Development of Geography in Modern period (German school, French school) Contribution of Humboldt, Ritter, Ratzel, Blache and Hartshorne to Geography.

Module - 3 :

Methods and Technique in Geography - Quantitative, Behavioral, Radical, Humanistic and Environmental ; Remote sensing, GIS, GPS and computer cartography, Trends in Renaissance period.

Module - 4 :

Geographical knowledge and people - career in Geography, noted Indian Geographers who contributed to development of India, Man-environment Relationship.

CORE COURSE – 2 (CC-2)

CORE-2 (Theory) GEO-TECTONIC AND GEOMORPHOLOGY

4 credits (Teaching 4 hours per week and minimum 48 teaching hours)

F.M. - 70

Module - 1 : Geo-tectonics

Theories of origin of the earth ; Geological time scale and related topographic and structural evolution; Isostasy: theories of Airy and Pratt; folds and faults-origin, types and their topographic expressions; plate tectonics, earthquake and vulcanicity.

Module - 2 : Geomorphology

General degradation processes : processes of rock weathering and their effects on landform; fluvial processes and land forms; Glacial processes and landforms; fluvio-glacial landforms : Aeolian processes and landforms.

Module - 3 : Geomorphology and structure

Basic concepts of geomorphology : landforms on granite and basalt; land forms on limestone; development of river network and land forms on uniclinal and folded structures.

Module - 4 : Theories of geomorphology

Normal cycle of erosion by W.M. Davis; views of W. Penck on normal cycle of erosion; Cycle of pediplanation by L.C. King; dynamic equilibrium theory by J.T.Hack.

CORE COURSE (P)-1 [CC (P)-1]

PRACTICAL

4 Credits (Teaching 4 hours per week minimum 48 teaching hours)

F.M.60

- 1) Hythergraph and climograph and their interpretation [10]
- 2) Weather maps of India (published by the Indian Meteorological Department for July and January), Interpretation of weather map. [10]
- 3) Methods of Data Collection & Sampling [10]
- 4) Statistical Methods : Mean, Median and Mode. [10]
- 5) Note Book + Regularity. [10]
- 6) Viva-Voce [10]

GENERIC ELECTIVE-1 (GE-1)

GE-1 (Theory)

Introduction to Geography

4 credits (Teaching 4 hours per week minimum 48 teaching hours)

F.M. 70

Module - 1 :

Nature and scope of Geography : Geography as a science; place of Geography in classification of Sciences, concept of space and concept of landscape (Regional cultural).

Module - 2 :

Geography in Ancient (Greek, Rome and India) and Medieval period; Development of Geography in Modern period (German school, French school) Contribution of Humboldt, Ritter, Ratzel, Blache and Hartshorne to Geography.

Module - 3 :

Methods and Technique in Geography - Quantitative, Behavioral, Radical, Humanistic and Environmental ; Remote sensing, GIS, GPS and computer cartography, Trends in Renaissance period.

Module - 4 :

Geographical knowledge and people - career in Geography, noted Indian Geographers who contributed to development of India, Man-environment Relationship.

GENERIC ELECTIVE (P)-1 [GE (P)-1]

PRACTICAL

2 Credits (Teaching 2 hours per week minimum 24 teaching hours)

F.M.30

- | | | |
|----|---|--------|
| 1) | Hythergraph and Climograph and their interpretation | [10] |
| 2) | Statistical methods : Mean, Median and Mode. | [05] |
| 3) | Note Book + Regularity | [10] |
| 4) | Viva – Voce | [05] |

SECOND SEMESTER – TOTAL 20 CREDITS

CORE COURSE – 3 (CC-3)

CORE-3 (Theory)

Contemporary issues in Geography

4 Credits (teachings 4 hours per weeks and minimum 48 teaching hours). F.M. 70

Module 1 :

Introduction to contemporary issues in geography: Meaning and definition of contemporary issues; Nature of contemporary issues in geography ; Importance of study of contemporary issues in geography.

Module 2 :

Physical (geomorphic / climatic / oceanic / biological) issues : causes and effects of

- a) Landslides; Weathering; earthquakes;
- b) Floods; draughts; cyclones; ozone depletion;
- c) Tsunamis; El Nino and La Nina; marine pollution;
- d) Deforestation; forest fire; epidemics; watershed management.

Module 3 :

Human (population/ Economic/ Social) causes and effects of

- a) Over population; migration; Energy crisis;
- b) Poverty; Regional disparity; Exploitation of resources
- c) Terrorism; Conflicts due to race, religion and caste; HIV/AIDS; unemployment.

Module 4 :

Modern theme in Geography :

- a) Applied geography, sustainable development.
- b) Climate change, global warming - international efforts and response.
- c) Basic indicators of human and gender development; social inequality as constraint of development.
- d) Population growth, malnutrition, food security and hunger, morbidity and mortality.

CORE COURSE – 4 (CC-4)

CORE-4 (Theory)

Human Geography

4 Credits(Teaching 4 hours per week and minimum 48 teaching hours)

F.M. 70

Module 1 :

Meaning , nature and scope of Human geography; Concept of Human geography; Man-Environment relationship; determinism, possibilism and neo-determinism.

Module 2 :

Evolution of man; Classification & characteristics of races and their broad distribution; Human adaptation to environment: Eskimo, Masai and Bushman; Primitive people of Jharkhand :Santhal, Oraon and Munda.

Module 3 :

Growth of population; Distribution of population; Major human agglomerations; Types of migration; Trends of Urbanization.

Module 4 :

Rural settlements : characteristics, types and regional pattern ; Urban settlements; evolution and classification; Rural houses in India : Types classification and regional pattern.

CORE COURSE (P)-2 [CC (P)-2]

PRACTICAL

4 Credits (Teaching 4 hours per week minimum 48 teaching hours)

F.M.60

- 1) i) Construction of Scale : Simple, Diagonal and Comparative [10]
ii) Simple Cartograms, Bar, Pie, Dot
- 2) Study of Topographical maps of India of Hilly and plain areas in respect of: [15]
 - i) Relief
 - ii) Drainage
 - iii) Settlement
 - iv) Communication Pattern
- 3) Climatic Diagram :- [15]
 - i) Simple Wind Rose Diagram
 - ii) Compound Wind Rose Diagram
- 4) Note Book + Regularity [10]
- 5) Viva-Voce [10]

GENERIC ELECTIVE-2 (GE-2)

GE-2 (Theory)

Geomorphology

4 credits (Teaching 4 hours per week minimum 48 teaching hours)

F.M. 70

Module - 1 : Geo-Tectonics

Theories of origin of the earth ; Geological time scale and related topographic and structural evolution ; Isostasy: theories of Airy and Pratt; folds and faults - origin, types and their topographic expressions; plate tectonics, earthquake and volcanicity.

Module - 2 : Geomorphology

General degradation processes : processes of rock weathering and their effects on landform; fluvial processes and land forms; Glacial processes and landforms; fluvio-glacial landforms : Aeolian processes and landforms.

Module - 3 : Geomorphology and structure

Basic concepts of geomorphology : landforms on granite and basalt; land forms on limestone; development of river network and land forms on uniclinal and folded structures.

Module - 4 : Theories of geomorphology

Normal cycle of erosion by W.M. Davis; views of W. Penck on normal cycle of erosion; Cycle of pediplanation by L.C. King; dynamic equilibrium theory by J.T.Hack.

GENERIC ELECTIVE (P)-2 [GE (P)-2]

PRACTICAL

2 Credits (Teaching 2 hours per week minimum 24 teaching hours)

F.M. 30

- 1) Simple Cartograms, Bar, Pie, Dot [05]
- 2) Study of Topographical maps of India of Hilly and plain areas in respect of: [10]
 - i) Relief
 - ii) Drainage
 - iii) Settlement
- 3) Note Book + Regularity [10]
- 4) Viva – Voce [05]

THIRD SEMESTER – TOTAL 26 CREDITS

CORE COURSE – 5 (CC-5)

CORE-5 (Theory)

Climatology and Oceanography

4 credits (teaching 4 hours per week and minimum 48 teaching hours) F.M. 70

Module - 1 :

Atmosphere – structure, composition; Insolation, Heat balance, inversion of temperature, Factors affecting the horizontal distribution of temperature atmospheric pressure - Vertical and horizontal distribution.

Module - 2 :

Wind - General circulation, planetary winds, Seasonal winds. Air masses, Fronts, jet stream, Koppen's climatic classification, Factors of climate change.

Module - 3 :

General distribution of land and sea, hypsographic curve, Zones of ocean bottom accounting to depth, continental slope, deep sea plain & ocean deeps. Bottom relief of atlantics & Indian oceans, horizontal & vertical distribution of temperature in ocean. oceanic routes.

Module - 4 :

Composition of sea water - salinity - horizontal distribution in open ocean, Enclosed & partially enclosed sea. Oceanic circulation, factors controlling oceanic circulation in Atlantic & Indian oceans.

Waves & tides : types of waves & tides, Ocean deposits; terrigenous & pelagic deposits, distribution; coral reefs.

CORE COURSE – 6 (CC-6)

CORE-6 (Theory)

Geography of India

4 credits (teaching 4 hours per week and minimum 48 teaching hours) F.M. 70

Module - 1 :

India ; structure and physiography, drainage (peninsular and extra peninsular)
Origin of Monsoon and climatic regions. Edaphic and biotic regions of India;
Indian forests and their economics importance.

Module - 2 :

Agriculture system in India, cropping pattern, divide India into intensive agricultural regions (as per ICAR); green revolution and its consequences
industries : cotton, sugar, mineral based; iron and steel, cement, industries, transport; surface, water and air.

Module - 3 :

Minerals : distribution of iron ore, bauxite, manganese, atomic minerals. power resource - coal, petroleum, wind energy in India.

Region of geography : Middle Ganga plain, Lower Ganga plain, Chhotanagpur plateau.

Module - 4 :

Studies of Geographical problems

problems of unreliability of rainfall; problem of soil erosion and its mitigation;
problems of development (land acquisition), displacement and rehabilitation;
problem of slum and urban rehabilitation in India.

CORE COURSE – 7 (CC-7)

CORE-7 (Theory)

Geography of Jharkhand

4 Credits (teaching 4 hours per week and minimum 48 teaching hours). F.M.-70

Module -1:

Physiography and relief, drainage pattern, forest resources and its economic importance.

Module - 2 :

Agriculture : irrigation - types and distribution, major crops ;
Population : growth , distribution & density;
Population composition : age & sex ratio, rural-urban.

Module - 3 :

Resources : natural resource : soil, water, mineral resources : (coal, uranium) - distribution and development, conventional and non-conventional energy resources, major hydel power projects- thermal power plants.
Industries : Locational factor - Distribution of iron & Steel, Cement.

Module - 4 :

Educational development and structure of education in Jharkhand. House types of tribal villages in south Chhotanagpur.
Transport : roads and railways and development of tourism, eco-tourism in Jharkhand.
Economy and habitats of Santhal, Oraons.
social, economic and environmental problems of Jharkhand.

CORE COURSE (P)-3 [CC (P)-3]

PRACTICAL

6 Credits (Teaching 6 hours per week minimum 48 teaching hours)

F.M. 90

- | | | |
|----|--|--------|
| 1) | History & Techniques of Cartography | [10] |
| 2) | Map Projection : | [20] |
| | i) Cylindrical equal – area and equidistance. | |
| | ii) Zenithal Equal – Area and Equidistance | |
| | iii) Conical projection with one and two standard parallels. | |
| 3) | Instrumental Survey : | [20] |
| | i) Plane Table Survey : Radiation and Intersection method. | |
| | ii) Prismatic Compass Survey : Open and Close Traverse. | |
| 4) | Lorenz Curve, Poly Linear Graph, Triangular Diagram | [10] |
| 5) | Note Book +Regularity | [15] |
| 6) | Viva-Voce | [15] |

GENERIC ELECTIVE-3 (GE-3)

(GE-3)

India and Jharkhand

4 credits (teaching 4 hours per week and minimum 48 teaching hours) F.M. 70

Module - 1 :

India ; structure and physiography, drainage (peninsular and extra peninsular)
Origin of Monsoon and climatic regions. Natural regions of India; Indian forests
and their economics importance.

Module - 2 :

India : Minerals - distribution of iron ore, bauxite, manganese, atomic minerals.
power resource - coal, petroleum, wind energy in India.
Regional geography : Middle Ganga plain, Lower Ganga plain, Chhotanagpur
plateau.

Module - 3 :

Jharkhand : Physiography and relief, climate, drainage pattern, forest resources
and its economic importance.

Module - 4 :

Jharkhand : Agriculture : - types and distribution ;
Population : distribution & density; Mineral resources, Iron & steel and cement
industries. Economy and habitat of Santhal&Oraon .

GENERIC ELECTIVE (P)-3 [GE (P)-3]

PRACTICAL

2 Credits (Teaching 2 hours per week minimum 24 teaching hours)

F.M. 30

- | | | |
|----|--|--------|
| 1) | Map Projection : | [10] |
| | i) Cylindrical equal – area and equidistance. | |
| | ii) Zenithal Equal – Area and Equidistance | |
| | iii) Conical projection with one and two standard parallels. | |
| 2) | Method of Data Collection | [05] |
| 3) | Note Book + Regularity | [10] |
| 4) | Viva – Voce | [05] |

FOURTH SEMESTER – TOTAL 26 CREDITS

CORE COURSE – 8 (CC-8)

CORE-8 (Theory)

Economic Geography

4 credits (teaching 4 hours per week and minimum 48 teaching hours) F.M. 70

Module - 1 :

Meaning and approaching to economic geography; main concept of economic geography; resources : Concept and classification; resource conservation.

Module - 2 :

Natural resources : soil, forest and water; mineral resources: iron ore and bauxite; power resources: coal and petroleum ; principal crops : wheat, rice and cotton.

Module - 3 :

Agricultural regions of the world (whittlesey); theory of agriculture location (von thunen); Theory of industrial location (weber); major industries: iron and steel, and cotton textiles.

Module - 4 :

World transportation : Major trans-continental railways and sea routes; WTO and international trades; patterns and trends; major trade blocks : ECC, ASEAN; Effect of globalization on development of countries.

CORE COURSE – 9 (CC-9)

CORE-9 (Theory)

Environmental Geography

4 credits (teaching 4 hour per week and minimum 48 teaching hours)

F.M. 70

Module - 1 :

definition and scope of environmental geography; meaning and components of environment.

Module - 2 :

Ecology, Eco-system and soil system :

- i) Definition and scope of ecology.
- ii) Meaning, types structure, components and functioning of eco-system.
- iii) Meaning and components of soil system.

Module - 3 :

Environmental degradation and pollution.

- i) Meaning and causes of environmental degradation.
- ii) Meaning, sources and causes of air and water pollution.

Module - 4 :

Environmental issues

- i) Depletion of ozone layer, ecological significance of ozone, protection of ozone layer.
- ii) Acid rain - causes and effects.
- iii) A detailed account of the concept of global warming, environmental programmes and policies - global, national and local levels.

CORE COURSE – 10 (CC-10)

CORE-10 (Theory)

Geography of Travel and Tourism

4 credits (teaching 4 hours per week and minimum 48 teaching hours)

F.M. 70

Module - 1 :

Nature and scope : definition and nature; scope and extent ; concept of tourism - factors affecting tourism development- physical & cultural.

Module - 2 :

Classification of tourism :

- (A) National, International, Domestic.
- (B) Time of travel - long haul, holiday tourists, day trippers.
- (C) Travel distance : global, continental, regional and local.
- (D) Number of tourists - individual, groups.
- (E) Purpose - Recreation, heritage, nature, religious, health, sports.

Role of accommodation in tourism :

Accommodation types –

- 1) Hotels, motels, inn, Saraies, dharamshala.
- 2) Govt. accommodation, tourism homes.
- 3) Youth hostels, cottages, tents, caravans.
- 4) Rail yatribhavan, house boats.
- 5) Private accommodation and unrecognized accommodations.

Module - 3 :

Role of transportation in tourism :

- (A) Mode of transportation - air, road, rail, waterways.
- (B) Agencies and guides –
 - 1) World organization, national organizations.
 - 2) Private agencies - national, international.
 - 3) Role of guides in tourism.
 - 4) Licensing and reorganization of guides.
 - 5) Training programme of guides.

Impact of tourism : (A) economic impact (B) physical and environmental impacts (C) socio-culture impacts.

Module - 4 :

Development and planning :

- (A) Levels of planning : international level planning, national level planning, Regional and local planning.
- (B) Tourism Planning in India
 - a) Development of tourism in India and Jharkhand
 - b) Tourism policies of India and Jharkhand.

Evaluations of potentials and tourism : Potential and Tourism Assessment of region's ability to attract tourists

- (a) Physical factors
- (b) Cultural factors
- (c) Social factors
- (d) Economic Factors
- (e) Political factors.

Case studies of major tourist centers of Jharkhand (at least four major tourist centers).

CORE COURSE (P)-4 [CC (P)-4]

PRACTICAL

6 Credits (Teaching 6 hours per week minimum 48 teaching hours)

F.M. 90

- 1) Types of Cartographic symbols and their uses : [15]
 - i) Points (dots, proportional, circles and spheres).
 - ii) Line – Isopleths
 - iii) Aread – Choropleth Representing population, agriculture, industry and transport data representing of population (distribution, density,growth); land use and cropping pattern.

- 2) Statistical Method : [15]
 - i) Quartiles, Deciles, Percentiles
 - ii) Measures of dispersion or variation : Mean deviation, Standard deviation.

- 3) Excursion within the state for the study of natural resources & their utilization. [30]

- 4) Note Book +Regularity [15]

- 5) Viva-Voce [15]

GENERIC ELECTIVE-4 (GE-4)

GE- 4 (Theory)

Climatology and Oceanography

4 credits(teaching 4 hours per week and minimum 48 teaching hours) F.M. 70

Module - 1 :

Atmosphere - structure, composition; Insolation, Heat balance, inversion of temperature, Factors affecting the horizontal distribution of temperature atmospheric pressure - Vertical and horizontal distribution.

Module - 2 :

Wind - General circulation, planetary winds, Seasonal winds. Air masses, Fronts, jet stream, Koppen's climatic classification, Factors of climate change.

Module - 3 :

General distribution of land and sea, hypsographic curve, Zones of ocean bottom accounting to depth, continental slope, deep sea plain & ocean deeps.

Bottom relief of atlantics & Indian oceans, horizontal & vertical distribution of temperature in ocean. oceanic routes.

Module - 4 :

Composition of sea water - salinity - horizontal distribution in open ocean, Enclosed & partially enclosed sea. oceanic circulation, factors controlling oceanic circulation in Atlantic & Indian oceans.

Waves & tides : types of waves & tides, Ocean deposits; terrigenous & pelagic deposits, distribution; coral reefs.

GENERIC ELECTIVE (P)-4 [GE (P)-4]

PRACTICAL

2 Credits (Teaching 2 hours per week minimum 24 teaching hours)

F.M. 30

- 1) Types of Cartographic symbols and their uses : [10]
 - i) Points (dots, proportional, circles and spheres).
 - ii) Aread – Choropleth Representing population, agriculture, industry and transport data representing of population (distribution, density, growth); land use and cropping pattern.
- 2) Statistical Method : [05]
 - i) Quartiles, Deciles, Percentiles
 - ii) Measures of dispersion or variation : Mean deviation, Standard deviation.]
- 3) Note Book + Regularity [10]
- 4) Viva – Voce [05]

FIFTH SEMESTER – TOTAL 24 CREDITS

CORE COURSE – 11 (CC-11)

CORE-11 (Theory)

Geography of Asia

4 Credits (Teaching 4 hours per week and minimum 48 teaching hours) F.M.70

Module - 1 :

Meaning and approaching to economic geography; main concept of economic geography; resources : Concept and classification; resource conservation.

Module - 2 :

Natural resources : soil, forest and water; mineral resources: iron ore and bauxite; power resources: coal and petroleum ; principal crops : wheat, rice and cotton.

Module - 3 :

Agricultural regions of the world (whittlesey); theory of agriculture location (von thunen); Theory of industrial location (weber); major industries: iron and steel, and cotton textiles.

Module - 4 :

World transportation : Major trans-continental railways and sea routes; WTO and international trades; patterns and trends; major trade blocks : ECC, ASEAN; Effect of globalization on development of countries.

CORE COURSE – 12 (CC-12)

CORE-12 (Theory)

Northern Continents

4 Credits (Teaching 4 hours per week and minimum 48 teaching hours) F.M. 70

Module-1

North America : Relief of North America, Natural Vegetation, Population of North America, Cotton Textile Industry and Iron-Steel Industry.

Module-2

Europe : Physiographic division of Europe, Climate, Demographic pattern of Europe, Industrial Development and regions, Inland waterways of Europe.

Module-3

Industrial region of Japan, Fruit Cultivation around Mediterranean Sea, Trans-Siberian Railway, Panama Canal Route, Suez Canal Route.

Module-4

Location of Iron and steel industry in U.S.A. and U.K., wheat belt of Columbia basin, coal resources of Europe, Regional study of New England region & British Island.

CORE COURSE (P)-5 [CC (P)-5]

PRACTICAL

4 Credits (Teaching 4 hours per week minimum 48 teaching hours)

F.M.60

- 1) Map Projection : [20]
 - i) Sinusoidal – Simple and Interrupted
 - ii) Conical : Polyconic and Bonne's
 - iii) Cylindrical – Gall's and Mercators.
- 2) Construction of Geological Cross Section of simple geological maps and their interpretation. [10]
- 3) Drawing of profiles : Simple&Superimposed [10]
- 4) Note Book +Regularity [10]
- 5) Viva-Voce [10]

DISCIPLINE SPECIFIC ELECTIVE - 1 (DSE - 1)

THEORY

Disaster Management

4 Credits (Teaching 4 hours per week and minimum 48 teaching hours) F.M. 70

Module - 1:

Disasters : definition and concepts : hazards, disasters, risk and vulnerability; classification.

Module - 2 :

Disaster in India : (A) flood : causes, impact, distribution and mapping; landslide : causes, impact, distribution and mapping; Drought : causes, impact, distribution and mapping.

Module - 3 :

Disaster in India : (B) earthquake and tsunami : causes, impact, distribution and mapping; Cyclone : causes, impact, distribution and mapping; Manmade disasters : causes, impact, distribution and mapping.

Module - 4:

Response and mitigation to disasters : mitigation and preparedness, NDMA and NIDM; indigenous knowledge and community - based disaster management; do's and don'ts during disasters.

DISCIPLINE SPECIFIC ELECTIVE -2 (DSE - 2)

THEORY

Rural Development

4 Credits (Teaching 4 hours per week and minimum 48 teaching hours) F.M. 70

Module - 1 :

Defining development : Inter - dependence of urban and rural sectors of the economy, need for rural development, Gandhian concept rural development.

Module - 2 :

Rural economic base : agriculture and allied sectors, seasonality and need for expanding non-farm activities.

Module - 3 :

Area based approach to rural development : drought prone area programmes, PMGSY.

Module - 4 :

Target group approach to rural development : SJSY (Integrated rural development programme). provision of services physical and socio-economic access to elementary education and primary health care and micro credit.

DISCIPLINE SPECIFIC ELECTIVE (P)-1 [DSE (P)-1]

PRACTICAL

4 Credits (Teaching 4 hours per week and minimum 48 teaching hours) F.M. 60

- 1) Project work / report on relevant topics pertaining to disaster management, preferable on any major disaster in the world (natural or manmade). [20]
- 2) Project work / report on relevant topics pertaining to rural development in India, preferable, on any flagship programme of the government of India or the state government (Jharkhand). [20]
- 3) Note Book + Regularity [10]
- 4) Viva-Voce [10]

SIXTH SEMESTER – TOTAL 24 CREDITS

CORE COURSE – 13 (CC-13)

CORE-13 (Theory)

Bio Geography

4 Credits (Teaching 4 hours per week and minimum 48 teaching hours) F.M.70

Module - 1 :

Definition, scope & importance of Bio Geography relation with other sciences, development of Bio Geography – view of different Geographers; Hydrological cycle

Module - 2 :

Ecology and Ecosystem; Energy flow in Ecosystem: Ecological factors of the land and their effects on plants animals; Dispersal of plants and animals. Bio-geochemical cycles.

Module - 3 :

Concepts of Biomes, Ecotone and community, Forest Biomes, Grassland Biomes, Desert Biomes, National Parks and Sanctuaries in India and Jharkhand.

Module - 4 :

Climate as determinant of Bio-Resources; Biodiversity-degradation and sustainable conservation; Factors of soil formation, Factors of soil erosion and its conservation. Present status of soil in India, Development and management of barren lands in India.

CORE COURSE – 14 (CC-14)

CORE-14 (Theory)

Southern Continents

4 Credits (Teaching 4 hours per week and minimum 48 teaching hours) F.M.70

Module - 1 :

South America: Physiography, Agriculture and Demographic set-up and regional studies of Brazil.

Module - 2 :

Australia and New Zealand: General account of the Physiography, Dairy farming and Demographic set-up, detailed regional study of New Zealand.

Module - 3 :

Africa: Physiography, Agriculture, grasslands (Savanna), and desert environment, Regional account of Egypt.

Module - 4 :

Geographical account of Argentina, South Africa, Social and cultural aspects of Bushman, Hotentot, Maori and Bora.

CORE COURSE (P)-6 [CC (P)-6]

PRACTICAL

4 Credits (Teaching 4 hours per week minimum 48 teaching hours)

F.M. 60

- | | |
|---|--------|
| 1) i) Scatter diagram | [10] |
| ii) Correlation and Regression analysis. | |
| iii) Application of G.I.S., Remote Sensing and Air-photography. | |
| 2) Instrumental Survey : | [20] |
| i) Dumpy Level Survey | |
| ii) Indian Clinometer | |
| 3) Drawing of profiles : Composite & projected. | [10] |
| 4) Note Book + Regularity | [10] |
| 5) Viva-Voce | [10] |

DISCIPLINE SPECIFIC ELECTIVE -3 (DSE - 3)

THEORY

Climatic Change : Vulnerability & Adaptation

4 Credits (Teaching 4 hours per week and minimum 48 teaching hours) F.M.: 70

Module - 1 :

Science of climate change : Understanding climate change; Green house effect and Global warming, global climatic assessment - IPCC.

Module - 2 :

Climate change and vulnerability: physical vulnerability, economic vulnerability, Social vulnerability.

Module - 3 :

Impact of climate change : Agriculture and water; Flora and Fauna; Human Health.

Module - 4:

Adaptation and mitigation : Global initiatives with particular reference to south Asia; National Action plan on climate change; Local institution (Urban local bodies, Panchayats).

DISCIPLINE SPECIFIC ELECTIVE (P)-2 [DSE (P)-2]

PRACTICAL

2 Credits (Teaching 2 hours per week and minimum 24 teaching hours) F.M. 30

- 1) Project work/ report on relevant topics pertaining to climate change and efforts to tackle it, preferably on any major climate change issue. [15]
- 2) Note Book + Regularity [10]
- 3) Viva – Voce [05]

DISCIPLINE SPECIFIC ELECTIVE – 4 (DSE - 4)

TOUR & PROJECT

F.M. : 100

GROUP – A

Geographical Excursion of any part of India & preparation of environmental report of visited area. The study should include the characteristics of land form, climate, drainage, land use, economic activities, settlements. **[40]**

GROUP – B

Socio-Economic Survey in and around your city / town (Topic allotted by the Department of Geography) **[30]**

Project Report + Viva-Voce

[30]

