

### 1.3.1: Supporting Documents

#### Crosscutting Issues

Table 1.3.1: List of cross cutting issues relevant to professional ethics, Gender, Human values, Environment and Sustainability into the Curriculum.


S.No.	Description of crosscutting issue	Title of course	Paper /Unit	Remarks
1.	Gender equality	M.A.I year Political Science	Paper I, Unit V	Political Theory- liberty, Equality, Justice, Rights, Laws, Citizenship and democracy.
		B.A.II Semester Economics	Paper II, Unit III	Gender Discrimination Women Empowerment.
		M.A. IV semester Political science	Paper IV	Human Rights
		B.A.V semester Economics	Paper II, Unit IV	Women in The Rural Economy.
		B.A.III Year Economics	Paper II, Unit V	Women in the rural Economy.
2.	Environment and sustainability	B.A.3 Year Political Science	Paper I, Unit V	Climate change, Globalisation
		B.A.I Year Economics	Paper II, Unit I	Sustainable Development Goals
		B.A.III Year Economics	Paper II, Unit V	Geographical Features, Natural Resources, Land and Irrigation, Forest Resources; Energy Resources; Agriculture, Horticulture, Demographic Profile, Employment and Unemployment, Poverty, Migration; Industrial Development; Tourism Prospects and policies for Development of the economy of Uttarakhand.
		B.Sc. II year Botany	Paper III	Ecology and Remote sensing
		M.A.II Semester Geography	Paper I	Paper deals with environmental Geography.
		M.A. IV Semester Geography	Paper II	Bio Geography
		B.A.VI Semester Geography	Paper II	Geography of Uttarakhand
		M.A.I semester Geography	Paper III	Geography of Natural Resources
		B.Sc. III year	Paper II	Ecology, Conservation Biology.


Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naugher, Lambgaon

15  
प्रचार्य  
फूल सिंह विष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

		Zoology		
		B.Sc. III year Zoology	Paper III, Unit V	Air Pollution, Water Pollution, General Introduction to Pesticides; Herbicides, Fungicides, and Insecticides.
		B.A.V semester Economics	Paper III	Environmental Economics.
3.	Ethics	B.A.IIYear Sanskrit	Paper I	भारतीय संस्कृति
		B.A.I year English	Paper I	Art of Conversation
		B.A. I Year Sanskrit	Paper I	नीतिशतकम्, हितोपदेश
		B.A. VI Semester Sanskrit	Paper II	Ethical and Moral Issues in Sanskrit Literature
		English B.A.I year	Paper I	Prose Includes essays like Richard Steels "The Art of conversation", A.G. Gardiners "On saying please", M.K. Gandhi's "At School", J.L. Nehru's "Tryst with Destiny", R. Radhakrishnan's "Democracy" that focus on Ethics & Human value
		B.Sc. III year Botany	Paper I, Unit V	Paper deals with Industrial Agricultural, Nutritional biotechnology which are having issues based on ethics.
		B.A. Semester II Economics	Paper I, Unit IV	Concept of Social Welfare
		B.A.I year Political science	Paper I	Political Theory
		B.A.II year Political science	Paper II	Indian Government and Politics
		B.A.III year Political science	Paper II	Elements of Public Administration
4.	Human Values	B.A.II Year Home Science	Paper IV	Human Development
		B.A.III Semester English	Paper I	Prose - On Saying Please, At school, A Tryst with Destiny, Democracy,
		B.A. III year English	Paper I	Indian and American Poetry.

		B.A.II year Sociology	Paper I	Process of Social Change and Social change in India.
		B.A.I year Sociology	Paper II	Basic Sociology concept and Social system.
		B.A. II year Hindi	Paper I	गद्य एवं नाट्य साहित्य
		B.A.III year Hindi	Paper	प्रयोजनमूलक हिंदी

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/AQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naugar, Lambgaon

  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

**THIRD YEAR**  
**Paper I (BBO- 301) CYTOGENETICS, MOLECULAR BIOLOGY AND BIOTECHNOLOGY**

**UNIT I**

1. Structure and functions of Nucleus: Ultra structure, nuclear membrane, nucleolus, structure and functions of other cell organelles: Golgi body, endoplasmic reticulum, peroxysomes and vacuoles. The cell envelope: Plasma membrane, bilayer lipid structure and functions of cell wall.
2. Cell division: Comparison of mitosis and meiosis.
3. Chromosome organization: Morphology, centromere and telomere, chromosome alteration in chromosome numbers, aneuploidy, polyploidy and sex chromosomes.
4. Extra nuclear genome: Presence and functions of mitochondrial and plastid DNA, plasmids.

**UNIT II**

1. Genetic Inheritance: Mendelism: Law of segregation and independent assortment, incomplete dominance.
2. Interaction of genes: Linkage- complete and incomplete linkage and crossing over.
3. Sex linked inheritance: Determination of sex.
4. Genetic variation: Mutations, transposable genetic elements, DNA damage and repair.

**UNIT III**

1. DNA, -the genetic material: DNA structure, replication, DNA- protein interaction, the nucleosome model, satellite and repetitive DNA.
2. RNA: Structure and types.
3. Gene concept: Classical and modern concept of gene, operon concept.

**UNIT IV**

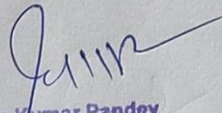
1. Protein Structure: 1D, 2D and 3D structure.
2. Genetic code and protein synthesis.
3. Regulation and gene expression in prokaryotes and eukaryotes.

**UNIT V**

1. Introduction to Biotechnology: Functional definition, role in modern life, history and ethical issues connected with biotechnology.
2. Genetic engineering: Tools and techniques of DNA technology, cloning vectors, genome, cDNA libraries, transposable elements and techniques of gene mapping.
3. Basic concept of tissue culture, cryopreservation, differentiation and morphogenesis, biology of *Agrobacterium*, vectors for gene delivery and marker genes.
4. A brief account of Industrial biotechnology (fermentation and alcohol production), Agricultural biotechnology (biofertilizers and biopesticides) and Nutritional biotechnology (Mycotoxins and health hazards, control of mycotoxin production, single cell protein).

**Suggested Readings**

- Gupta P.K. 2000. Cytology, Genetics And Evolution. Rastogi Publication, Meerut  
Gupta P.K. 2012. Genetics. Rastogi Publication, Meerut  
Gupta P.K. 2001. Elements of Biotechnology. Rastogi Publication, Meerut  
Power, C.B. 1994. Cell Biology. Himalaya Publishing House, New Delhi

  
**Dr. Satendra Kumar Pandey**  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naugar, Lambgaon

157  
**प्राचार्य**  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

**PAPER III: (BBO-203) ECOLOGY AND REMOTE SENSING**

**UNIT I**

1. Definition and scope of ecology, Principles of environment, atmosphere, light, temperature, water and soil.
2. Ecosystem: Types, biotic and abiotic components, food chain, food web, ecological pyramids and ecological niche.
3. Productivity, type, measurement of primary productivity, energy flow and ecological energetics, Lindeman's concept of Energy Flow.

**UNIT II**

1. Biogeochemical cycles: A brief discussion of concept by citing examples of carbon, nitrogen and phosphorous cycles.
2. Population ecology: Definition, population characteristics, growth curves, carrying capacity and population fluctuation.
3. Community ecology: Structure and community characteristics, quantitative, qualitative and synthetic features, life forms, biological spectrum and ecological succession.

**UNIT III**

1. Pollution of air, water and soil, noise incidence, thermal and radioactive pollution; prevention and control of pollution.
2. Global warming, desertification and ozone depletion.
3. Biogeographical regions of India; Vegetation types in Uttarakhand

**UNIT IV**

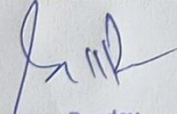
1. Biodiversity: Basic concept, types, causes and loss of biodiversity.
2. Biodiversity conservation: In situ and ex situ conservation, gene bank, introductory account of Biosphere reserves, National parks and Sanctuaries
3. Soil erosion and conservation, conservation and management of some natural resources: forest and rangeland management.

**UNIT V**

1. Definition of remote sensing, aerial photography, principles and fundamentals of aerial photo interpretation.
2. Electromagnetic spectrum, satellite and sensors, remote sensing data acquisition, physical basis of remote sensing, aerial and space platforms.
3. Image interpretation, role of remote sensing in ecology.

**Suggested Readings**

- Odum, E.P. 1983, Basics of Ecology, Saunders College Publication, New York  
Tiwari, S.C. 2005. Concepts of Modern Ecology, Bishen Singh Mahendra Pal Singh, Dehradun  
Sharma, P. D, 2014. Ecology and Environment, Rastogi Publications, Meerut  
Shukla, R.S. and Chandel. P.S. 2014. Plant Ecology. S Chand Publications, New Delhi  
Shukla, R.S. and Chandel. P.S. Biostatistics. S Chand Publications, New Delhi

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

157  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

**Sri Dev Suman University, Badshahithaul, Tehri Garhwal**  
**B.Sc. 3<sup>rd</sup> Year (Zoology)**  
**Paper 8<sup>th</sup>: Ecology, Conservation Biology and Animal Behaviour**

**Unit -I**

Ecology: Definition, scope and importance,  
Introduction to laws of Limiting factors: Liebig's law of the minimum, Shelford's law of tolerance. Factor interaction

**Unit -II**

Biogeochemical cycles: Concept and types of biogeochemical cycle (Water, Carbon, Nitrogen and Phosphorus cycle

**Unit -III**

Ecosystem concept: Component & types (Grassland, Forest, Pond, River); Abiotic, biotic & edaphic factors and their interdependence,  
Energy flow in ecosystem. Primary and secondary productivity. Food chains, food web and ecological pyramids

**Unit -IV**

Conservation Biology: Definition & scope. Concept of biodiversity; Biodiversity as a resource; Biodiversity loss and its Causes.

Conservation & Management of Biodiversity. Concept of Protected Areas: *Ex-situ* & *In-situ* Conservation. Biodiversity hot spots.

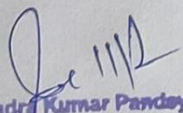
India's wildlife: Habitats & Distribution; Protected areas: National Parks & Sanctuaries.


**Unit-III**

The science of behaviour: History, scope and terminology. Biological rhythms. Biological Clock. Circadian rhythms and their synchronisation seasonal rhythms. Photoperiodism

**Recommended Books:**

1. Alcock : Animal behaviour Sinaur Associates, Inc. 1989.
2. Drickamer & Vessey: Animal Behaviour: Concepts, Processes and Methods (2nd ed.)1986
3. Goodenough et al.: Perspectives on animal behaviour. Wiley & Sons, New York. 1993.
4. Grier : Biology of animal behaviour, Mosby 1984.
5. M P Arora. Anilam behaviour. Himalayan Publishing house
6. Negi: An introduction to Wildlife Management, 1983.
7. Negi: Himalayan Wildlife: Habitat and Conservation. 1992. Indus Publ. Com., New Delhi.
8. Pullin: Conservation Biology, Cambridge, 2002.
9. Rawat & Agarwal : Biodiversity: Concept, threats and conservation.
10. Sharma, High Altitude Wildlife of India. Oxford 7 IBH Publ. Co. Pvt. Ltd. 1994.

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughtar, Lambgaon

  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

Sri Dev Suman University, Badshahithaul, Tehri Garhwal

B.Sc. 3<sup>rd</sup> Year (Zoology)

Paper 9<sup>th</sup>: Developmental Biology and Toxicology

**Unit - I**

Gametogenesis: Spermatogenesis in mammals, Morphology of mature mammalian spermatozoon: Oogenesis in mammals, Vitellogenesis in birds. Fertilization: external (amphibian), Internal (mammals), Block to polyspermy

**Unit - II**

Early Development of Frog and Human: types of egg; patterns of cleavage; role of yolk during cleavage; Morphogenetic movements; Development up to formation of gastrula.

Neurulation in frog embryo, Extra embryonic membranes.

**Unit - III**

Implantation of embryo in human; Types of placenta on the basis of histology; Formation of human placenta and its functions.

Elementary concept of primary organizer; Induction. Differentiation and organogenesis of vertebrate eye.

**Unit - IV**

Definition, history, scope of toxicology.

Classification of toxic agents, natural toxins, food toxins, and chemical toxins

Environmental toxicology of heavy metal (lead)

**Unit - V**

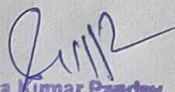
Air pollution-types of air pollutants, their effects and remedial measures.

Water pollution- types of water pollutants, their effects and remedial measures.

General introduction to pesticides, herbicides, fungicides, and insecticides

**Books recommended:**

1. Jain P C . Development Biology.
2. Gilbert, Developmental Biology. 3rd ed. Sinauer, 1991.
3. Berril: Developmental Biology, McGraw-Hill. Indian ed. 1974.
4. Laycock, J.F. and Wise, P.H.: Essential Endocrinology. Oxford University Press.
5. Hadley, M.E.: Endocrinology. Pearson Education Pvt. Ltd. Singapore

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naugra, Lambgaon

157  
प्राचार्य  
फूल सिंह विष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

16. M.N. Srinivas, 1980 India: Social Structure, New Delhi, Hindustan Publishing Corp.
17. N.K. Bose, 1967 Culture and Society in India. Bombay: Asia Publishing.
18. P.H. Prabhu Hindu Social Organization
19. Patricia Uberai Family, Kinship and Marriage in India
20. Ram Ahuja, 1999 Indian Social System, Rawat Publications
21. S.C. Dube, 1990 Society in India, New Delhi, National Book Trust.

**B.A. I<sup>st</sup> Year SOCIOLOGY: Second Paper**

**Paper I- Basic Sociological concepts & Indian Social system**

- Unit I:** Social Processes: Associative- Cooperation, Accommodation, Assimilation, Dissociative Competition, conflict and Contravention
- Unit II:** Culture and civilization: Meaning, Characteristics, Relationship and Difference between culture and Civilization.
- Unit III:** Social Structure and Social System: Definition, Characteristics and Elements. Types of Social System. Social Legislations, Constitutional provisions in favour of walits, tribes & other backward classes
- Unit IV:** Social Stratification and Social Differentiation, Definition, Characteristics and Distinction between Stratification and Differentiation. Bases and Forms of Social Stratification Social Control: meaning, Forms and Agencies of Social Control. Theories of Social Control.
- Unit V:** Family System in India: Structure, Function and Changing Pattern of Family Kinship System: meaning, Types and Categories of Kinship, Caste System & changing pattern of caste system, Jajmani System: Meaning, Structure, Functions & Importance

**Essential Readings:**

1. N.K. Bose, 1967 Culture and Society in India, Asia Publishing House, Bombay.
2. T.B. Bottomore, 1972 Sociology: A Guide to problem and Literature. George Allen and Unvin Bombay.
3. M. Haralambas, 1998 Sociology: Thems and Perspective. Oxford University Press. New Delhi.
4. Alex Inkles, 1987 What is Sociology, Printice Hall of India, New Delhi.
5. N. Jayram, 1988 Introductory Sociology, Macmillan India, Madras.
6. Harry M. Johnson, 1995 Sociology: A systematic Introduction, Allied.
7. Kingsley Davis, 1995 Human Society, Surjeet Publications Delhi.
8. Maciver and Page, 1974 Society: An Introductory Analysis, McMillan
9. Natony Giddens, 1987 Sociology, Polity, U.K.
10. R. Satendra Singh, 2006 Ideology and Theory in India Sociology, Rawat Publication
11. K.T. Sharma 2007 Social Stratification and Mobility

r. Satendra Kumar  
Co-ordinator, NAAC/AAC  
S.B. Rajkya Mahavidyalaya  
Naughar, Lambgaon

109  
प्राचार्य  
फूल सिंह विष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव



12. Andre Beteille
13. Irawati Karve, 1961
14. K.M. Kapadia
15. M.S. Gore, 2002
16. K.L. Sharma, 2007
17. M.N. Srinivas, 1980
18. N.K. Bose, 1967
19. P.H. Prabhu
20. Patricia Uberai
21. Ram Ahuja, 1999
22. S.C. Dube, 1990

The Backward Classes and New Social order  
 Hindu Society: An Interpretation  
 Marriage and Family in India  
 Unity in Diversity, Rawat Publication.  
 Indian Social Structure and change, Rawat Publication.  
 India: Social Structure, New Delhi, Hindustan Publishing Corp  
 Culture and Society in India, Bombay: Asia Publishing House.  
 Hindu Social Organization.  
 Family, Kinship and marriage in India.  
 Indian Social System, Rawat Publication.  
 Society in India, New Delhi, National Book Trust.

### B.A. II<sup>nd</sup> year SOCIOLOGY: First Paper

#### Paper I- Process of Social Change & Social change in India.

- Unit I:** Social Change: Concept and Features, Pattern of Social Change- Linear and Cyclical., Factors/Theories of Social Change, Demographic, Technological, Economic and Cyclica.
- Unit II:** Processes of Social Change: Evolution, Progress and Development Social Mobility and Social Change, Concept, Characteristics and types.
- Unit III:** Social Movement: Concept, Characteristics and Types.
- Unit IV:** Westernization: Meaning, Characteristics and Consequences, Impact of Westernization of Indian Society and Institutions. Sanskritization: Concept and Characteristics, Favourable conditions for Sanskritization, Sanskritization and Social Change  
 Modernization: Concept and Characteristics, Factors, Role of Urbanization in Social Change.
- Unit V:** Urbanization: Concept and Characteristics, Factors, Role of Urbanization in Social Change.  
 Industrialization: Meaning and Definition, Industrialization in India: Causes and need: Effects of Industrialization of Indian Society Globalization: Concept, Attributes and Consequences; impact of Globalization on Indian Culture and Society.

#### Essential Readings:

1. B. Kuppaswamy, 1993 Social Change in India, Konark Publishers, New Delhi.
2. Kingsley Davis, 1995 Human Society, Surjeet Publication, Delhi.
3. Mac Ivr & Page, 1974 Society: An Introductory Analysis McMillen
4. Yogendra Singh, 2006 Ideology and theory in Indian Sociology, Rawat Publication.
5. Yogendra Singh, 1986 Modernization of Indian Tradition, Rawat Publications.
6. Yogendra Singh, 2002 Culture Change in India, Rawat, Publications.
7. Anthony Giddens, 1989 Sociology, Polity, UK.

*[Signature]*  
 Dr. Satendra Kumar Pandey  
 Co-ordinator, P.S.B. Rajkiya Mahavidyalaya  
 Naughar, Lambgaon

*[Signature]*  
 प्रचार्य  
 फूल सिंह विष्ट राजकीय महाविद्यालय  
 नौघर, लम्बगाँव

6. Garnett, A. : Geographical Interpretation of Topographical Maps
7. Mishra, R.P. & Ramesh A. : Fundamentals of Cartography
8. Raja, Moonis : Source of Socio – Economic Data
9. Sharma, J.P. : Practical Geography (Hindi)
10. Singh, R.L. : Practical Geography (English/ Hindi)
11. Steers, J.A. : An Introduction the Study of Map Projections, U.L.P., London
12. Sabins, F.F. : Remote Sensing : Principals and Interpretations, John Wiley and Sons, New York, 1987

M.A.

## Semester – II

### Paper - V : Environmental Geography

Time : 3 Hours

Theory : 80 Marks  
Internal Assessment: 20 Marks

**Note :** The Paper consists of four units. Two questions will be set from each unit. The candidates will be required to answer one question from each unit. The candidate will be required to attempt 04 questions in all. Answer should be precise. All Questions carry equal marks.

#### **UNIT – I**

Meaning and Scope of Environment Geography, Basic Principles of Environmental Geography : Composition and types of Environment, Ecological Principles, Man – Environment relationship, Restoration of Ecology.

#### **UNIT – II**

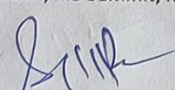
**Ecosystem :** Concept and components, Trophic levels, Food chains and food webs, Energy flow in the ecosystem, Ecosystem stability, High land – low land interactive system, human ecological adaptation.

#### **UNIT – III**


Environmental Degradation, Environmental Pollution (Air, Water and Solid Waste), Ganga Pollution & Ganga action Plan, Environmental Problems – Global Warming, Ozone Depletion and Green house effects, transformation of nature by man, global ecological imbalances.

#### **UNIT – IV**

**Environmental Management :** Concept and approaches : Ecosystem Management Strategies, Environmental Dimension in Planning – Sustainable Development, Eco- Development, Limits to growth , Environmental Consciousness, National Environmental Policies and Programms, Environmental Impact assessment, Rio Summit, Kyoto Protocol & Carbon Trading.

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

10

  
प्रद्युम्न  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

M.A. I- Semester

**Paper – III : Geography of Natural Resources**

Time : 3 Hours

Theory : 80 Marks  
Internal Assessment: 20 Marks

**Note :** The Paper consists of four units. Two questions will be set from each unit. The candidates will be required to answer one question from each unit. The candidate will be required to attempt 04 questions in all. Answer should be precise. All Questions carry equal marks.

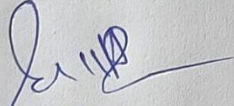
**UNIT – I**


Concept of Natural Resources, Classification: Dynamic theory of Resources, Resources Scarcity and adequacy, Resource regionalization, Economic development and resources.

**UNIT – II**

Land, water, mineral, energy and biotic resources – distribution, use – misuse and conservation – Global and Indian Scenario

7

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naugar, Lambgaon

  
प्राचार्य  
फूल सिंह विष्ट राजकीय महाविद्यालय  
नीधर, लम्बगाँव

**Paper – XVII : Elective ( Student can opt any one of the three papers given below)**

**Paper – XVII (a) : Bio Geography**

Time : 3 Hours

Theory : 80 Marks  
Internal Assessment: 20 Marks

**Note :** The Paper consists of four units. Two questions will be set from each unit. The candidates will be required to answer one question from each unit. The candidate will be required to attempt 04 questions in all. Answer should be precise. All Questions carry equal marks.

**UNIT – I**

Biogeography : Nature, Scope, Significance, Approaches, History, Recent Development, Succession and Ecological adaptation, Climax concept and ecosystem balance and spatial Dimension in Biogeography

**UNIT – II**

Historical Evolution of Plants and Animals: Pattern and Causes of Plant and Animal Distribution, Factors influencing the distribution of life, Bio – Geographical regions and realm of the world: Biome and Biomass.

**UNIT – III**

Biodiversity and the source of novelty in life, Biodiversity: Concept and Significance, Biodiversity and Global Climate Change, Palaeo- Botanical and Palaeo- Climatological records of Environmental change of India, Adaptations of Plants and Animals to the Environment, Biogeography of Uttarakhand Himalaya

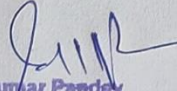
**UNIT – IV**

Bio- Geographical information/ Data, Collection retrieval and application, Conservation of Wildlife and forest, Agro forestry and Reforestry international and National efforts for conserving Biological Resources, Biosphere Reserves, Tropical Forest Action Plan

**Books Recommended:**

1. Bradshaw, M.J. : Earth and Living Planet, ELBS, London, 1979
2. Cox, C.B. and Moore, P.D. : Biogeography : An Ecological and Evolutionary Approach, 5<sup>th</sup> Edition Blackwell, 1993
3. Hoyt, J.B. : Man and the Earth, Prentice Hall, USA, 1992
4. Huggett, R.J. : Fundamentals of Biogeography, Rutledge, USA, 1998
5. Banskereau, B.M. : Biogeography – An Ecological Perspective, Ronald Press, New York, 1957
6. Joy, T. : Biogeography : A study of Plants in the Ecosphere, Oliver & Boyd, Edinburgh, 1977
7. Mani, M.S. (ed) : Biogeography of India, The Hague, 1975
8. Martin, C. : Plant Geography, Methuen, London, 1975
9. Mathur, H.S. : Essentials of Biogeography, Any Printers, Jaipur, 1998

34

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IOAC  
P.S.D. Rajkiya Mahavidyalaya  
Naugher, Lambgaon

15  
प्रचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

B.A. VI Semester

### Paper 17 : Geography of Uttarakhand

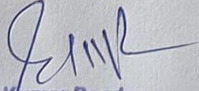
1. Geographical Background, Physiographic Regions, River Systems, Climate, Natural Vegetation, Soil, Glaciers and Lakes.
2. Population, Growth, Distribution, Structure, Literacy Migration, Rural and Urban settlements, Occupational structure, Major Tribes
3. Agriculture, Horticulture, Tourism and Pilgrimage, Important Natural Resources, Industries and Hydropower projects.
- Unit 4. Major National Park, Biosphere Resource and Eco-sensitive Zones, Disasters, Ecological and Environmental Issues, Development and Contemporary issues.


### Paper – 18 : Practical VI

- a. Two Field Survey Exercises – duration four Hours (50 Marks)
- b. GPS Handling and field survey by GPS = 10 (For Handling of GPS and Field Surveying) an expert can be hiring from the reputed Institution to trained the student.
- c. Sessional record and viva – voce – 10+10 = 20

#### Reading List :

1. Dent B.D., 1999 : Cartography : Thematic Map Design. (Vol. I). McGraw Hill.
2. Gupta K.K. and Tyagi V.C., 1992 : Working with Maps, Survey of India, DST, New Delhi.
3. Mishra R.P. and Ramesh A., 1989 : Fundamentals of Cartography, Concept Publishing.
4. Robinson A., 1953 : Elements of Cartography, John Wiley.
5. Sharma J.P., 2010 : Prayogic Bhugol, Rastogi Publishers.

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

Home Science

B.A. II year

Paper 4 Human Development

**Unit 1**

Human Development

- Meaning, Definition, Need & Scope of Human Development
- Growth & Development
- Principles of Development, Developmental Norms
- Role of Heredity and Environment in Human Development
- Stages of Development
- Developmental Tasks across Life Span

**Unit 2**

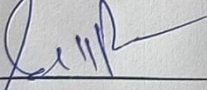
- Human Development Study Approaches (Longitudinal and Cross Sectional)  
Methods of studying human development (Observation, Interview, Questionnaire)


**Unit 3**

Prenatal Development and Infancy

- Characteristics
- Stages of Prenatal Development
- Factors affecting Prenatal Development
- New born characteristics
- Reflexes
- Infancy
- Characteristics
- Developmental Milestone & Problems

**Unit 4**

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

M.A. IV Semester

**COURSE- XIX-A: HUMAN RIGHTS**

Unit-I: Meaning, Nature, Significance and Development of Human Rights.

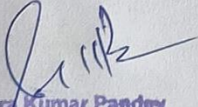
Unit-II: The U.N. Charter and Universal Declaration of Human Rights.


Unit-III: National Human Rights Commission of India: Organisation, Structure, Functions and Powers.

Unit-IV: Non State Actors: Amnesty International, Asia Watch and Green Peace.

**Readings Recommended:**

- Agarwal, Hari Om, Implementation of Human Rights.  
Alston, Philip (Ed.), The United Nations and Human Rights.  
Arora, Lalit Kumar, Major Human Rights Instruments, Isha Books Publication, 2006.  
Batra, T.S., Human Rights: A Critique.  
Brownlie, Ian (Ed.), Basic Documents on Human Rights.  
Donnelly, Jack, The Concept of Human Rights, London, 1973.  
Diwan, P., Human Rights and Law.  
Hingorani, Human Rights in India.  
Iyer, Krishna, Human Rights and Law.  
Kapoor, S.K., Manwadhikar.

  
**Dr. Satendra Kumar Pandey**  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkya Mahavidyalaya  
Naugher, Lambgaon

  
**प्राचार्य**  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगौव

BA 1<sup>st</sup>

**Paper -I: POLITICAL THEORY**

UNIT-I: Definition, Nature and Scope of Political Science with reference to traditional, behavioural and post-behavioural perspective. Relation of Political Science with History, Economics, Sociology.

UNIT-II: State, a definition and elements, nature, theories of the origin of the state( Social contract , evolutionary and marxist), theories of the function of the State: Liberal, Socialist and Welfare theories.

UNIT III: Concept of Power, Authority, Influence.

UNIT IV: Sovereignty, theories of Sovereignty, Austin's theory and Pluralist Criticism.

UNIT V: Liberty, Equality, Justice, Rights, Law, Citizenship and Democracy, Liberalism and Marxism.

Books recommended:

(English)

A.C. Kapoor, Principles of political science, Sahitya Bhawan Publishers

O.P. Gauba, An introduction to Political theory, Macmillan publishers

Rajeev Bhargav and Ashok Acharya, Political Theory : An Introduction, Pearson,

Andrew Heywood-Political Theory : An Introduction, Palgrave Macmillan , London

(Hindi)

O.P. Gauba, Rajneeti siddhant ki rooprekha, Mac Millan

Dr. B.I. Fadia, Kuldeep Fadia, Rajneetik Siddhant, Sahitya Bhawan

Rajeev Bhargav and Ashok Acharya, rajneetik siddhant ek parichay

Prof Jain and Ashok Kumar, Rajneetik Vigyan

*Handwritten signature*  
8/2/20

*Handwritten signature*  
8/2/20

*Handwritten signature*  
8/2/20

*Handwritten signature*  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/ICAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

*Handwritten signature*  
8/10/2020

*Handwritten signature*  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव



Paper- II: INDIAN GOVERNMENT AND POLITICS

UNIT- I: Constitutional Development, Sources of Indian constitution, the Preamble, Basic features of Indian constitution.

UNIT- II: Fundamental rights and Duties and the Directive principles of State policy.

UNIT- III: The Union Government: President- Ordinary and emergency powers of the President. Cabinet- Powers and functions of the Prime Minister; Parliament- Organisation of the Parliament.

Powers and functions, Judiciary, Judicial Review and Judicial Activism, NJAC vs Collegium System.

UNIT- IV: State Government- Power and position of the executive and legislature. State Judicial system (High Court and District Courts), Nature of Indian Federalism: Centre-State relations, Panchayati Raj System- 73rd amendment, Challenges and future prospects.

UNIT- V: The Election Commission and the Electoral reforms, Niti Aayog, Demerits of Indian election system, Suggestions to improve elections, Political parties and pressure groups, Impact of Caste, Religion, Regionalism and Language, National Integration.

Books recommended:

Indian Polity, M. Laxmikanth, Megrawhill

Indian Government and politics, Dr. B.L. Fadia, Sahitya Bhawan

Indian Constitution, D.D. Basu

(Hindi)

Bharat ki Rajyavastha, M. Laxmikanth

Bhartiya shashan evam rajneeti, Dr. B.L. Fadia

Bhartiya Samvidhan Srkar evam shasan, Ajaatshatru Singh

Bhartiya Samvidhan, Durga das Basu

8/2/2020  
Kans

8/2/2020

8/2/2020

28/02/2020  
Anifa

Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

15/2/2020  
प्राचार्य  
फूल सिंह विष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

**Paper- II: ELEMENTS OF PUBLIC ADMINISTRATION**

UNIT- I: The meaning, nature and scope of Public Administration, Various dimensions of public administration- Democratic administration, Development administration, Public administration and Private administration, Administrative theories (Human relation theories and decision making theories)

UNIT-II: Organisation- Meaning, Utility and Principles, Bases of Organisation, Staff, Line and Auxiliary Agencies, Organisation of the Department, Public Corporations, The Bureau, Boards and Commission, Management, Planning and Public Relations.

UNIT-III: Personnel Administration: Recruitment of Personnel, Training, Promotion, Corruption in Public Services, Bureaucracy, Problems in Personnel administration.

UNIT-IV: Financial Administration: Budget and Budgetary Process, Parliamentary Control over Finance, Accounting and Audit Comptroller and Auditor General- Rights and Duties.

UNIT-V: Administrative Control: Ombudsman, Lokpal and Lokayukta, Information Technology and Public Administration ( models of E- governance), District Municipal and Panchayats' administration in Utarakhand, Major issues and Challenges of Public administration.

**Books recommended:**

(English)

Public Administration, M. Laxmikanth, McGrawhill

New Horizon of Public Administration, Mohit Bhattacharya

Public Administration, Awasthi and Maheshwari

Public Administration-Prabhudutt Sharma

(Hindi)

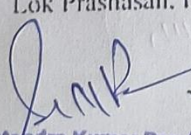
Lok Prashasan, M. Laxmikanth


Lok Prashasan, Dr.B.L.Fadia


Lok Prashasan, Inderjeet Kaur

Lok Prashasan Siddhant aur Vyavhar, Prabhudutt Sharma

Lok Prashasan, Dr. V.S. Gupta

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

  
Anifa  
8/2/2020

  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

BA 3rd  
Paper- I: INTERNATIONAL POLITICS AND RELATIONS

UNIT-I: International politics- Definition, Scope, Nature and Relevance, Development and nature of International relations, Approaches to International Relations-Idealism, Realism, System Approach.

UNIT-II: Definition and elements of National Power, Balance of power, Peace and security

UNIT-III: Foreign policy- theories and it's Determinants, National interest, Role of the UNO in International peace and Security, Regional Organisations: OAU, Arab League, ASEAN, BRICS, and SAARC, SCO, OPEC

UNIT-IV: The Cold War- it's rise and decline, Emerging New World Order, Disarmament, Non-Alignment Movement- it's growth and relevance

UNIT-V: Terrorism, Climate Change, Globalisation, Human Rights and Nuclear Proliferation.

**Books recommended:**

(English)

Hans J. Morganthau, Politics Among Nations

International Relations, Paul Wilkinson, Oxford

International Relations, J.C. Johari

International Relations, V.N. Khanna

International Relations, Pavneet Singh, Megrawhill

(Hindi)

Antarrashtriya Sambandh Ke Siddhant- Dr. B.L. Fadia, Kuldeep Fadia

Antarrashtriya Rajneeti - B.L. Fadia

Antarrashtriya Sambandh, V.N. Khanna

Antarrashtriya Rajneeti- Pushpesh Pant

Antarrashtriya Rajneeti- Prabhudutt Sharma

*Sumit*  
8/2/2020  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.G. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

*Anita*  
08/02/2020

*Ca*  
8/2/2020

*Shruti*  
8/2/2020

(15)  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

## Semester-V

Discipline Specific Elective Course (DSE)-III

## Environmental Economics

### 1. Introduction

Key environmental issues and problems, economic way of thinking about these problems, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.

### 2. The Design and Implementation of Environmental Policy

Overview, Pigouvian taxes and effluent fees, tradable permits, implementation of environmental policies in India and international experience; transboundary environmental problems; economics of climate change.

### 3. Environmental Valuation Methods and Applications

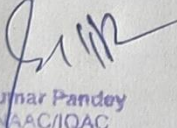
Valuation of non-market goods and services--theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.


### 4. Sustainable Development

Concepts; measurement; perspectives from Indian experience

### Suggested Readings

1. Roger Perman, Yue Ma, Michael Common, David Maddison and James McGilvray, "*Natural Resource and Environmental Economics*", Pearson Education/Addison Wesley, 4th edition, 2011.
2. Charles Kolstad, "*Intermediate Environmental Economics*", Oxford University Press, 2nd edition, 2010.
3. Robert N. Stavins (ed.), "*Economics of the Environment: Selected Readings*", W.W. Norton, 6th edition, 2012.
4. Robert Solow, "An Almost Practical Step toward Sustainability," Resources for the Future 40th anniversary lecture, 1992.
5. Kenneth Arrow et al., "Are We Consuming Too Much?" *Journal of Economic Perspectives*, 18(3): 147-172, 2004.
6. IPCC (Intergovernmental Panel on Climate Change), Fifth Assessment Report (forthcoming 2014).

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughat, Lambgaon

  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

B.A.II Semester, Paper I

## MICRO ECONOMICS - II

Course Name: Micro Economics - II

Course No: UG/ECO(C)/201

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

### SYLLABUS

#### Unit 1:

Forms of Market: Perfect and Imperfect Markets: Salient Features, Price and Output Determination of Firm and Industry [Short Run and Long Run] under Perfect Competition, Monopoly: Price and Output Determination [Short Run and Long Run], Price Discrimination and Dumping, Regulation and Control of Monopoly.

#### Unit 2:

Monopolistic Competition: Price and Output Determination, Selling Costs, Oligopoly: Price and Output Determination, Kinked demand curve, Non-collusive (Cournot, Sweezy), collusive (Cartels, price leadership); Duopoly: Price and Output Determination.

#### Unit 3:

Theory of Distribution: Marginal Productivity Theory of Distribution, Rent: Ricardian and Modern Theory, Wage : Marginal Productivity and Modern Theories, Collective Bargaining, Interest: Neo-Classical, Liquidity Preference Theories, IS-LM Model Profit: Innovation, Risk and Uncertainty Theories.

#### Unit 4:

Welfare Economics: **Concept of Social Welfare**, Pigouvian Welfare Economics, Pareto Optimally Criterion and Efficiency Conditions, Kaldor-Hicks Criterion, Compensation principle, Bergson-Samuelson Social welfare function.

### RECOMMENDED READING: ( LATEST EDITIONS ) :

Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/QAC  
P.S.B. Rajkiya Mahavidyalaya  
Naugher, Lambgaon

102  
प्रचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

# INDIAN ECONOMY-II

B.A. II Semester, Paper II

Course Name: Indian Economy - II

Course No:UG/ECO(C)/202

Maximum Marks: 100

(a) Semester Examination: 80 Marks

Duration of Examination: 2 Hours

(b) Sessional Assessment: 20 Marks

## Unit 1 :

Problem of Unemployment and under-employment in India, Poverty in India, Major Programmes for Poverty Alleviation and Employment, Employment Trends in Organized and Unorganized Sector, National Income: Trends and Structure of National Income, Inequality in the Distribution of Income in India, Labour Welfare and Social Security in India.

## Unit 2 :

Role of Infrastructure in Economic Development, Development of Transport and Communications, Private Sector Participation, Development of Irrigation, Irrigation Policy, Energy Crisis In India, Energy Policy, Social Infrastructure, Issues and Trends in Health and Education, National Health Policy, Education Policy of India.

## Unit-3

Concept and Importance of Human Development, Human Development Index (HDI), Millennium /Sustainable Development Goals and Human Development, Human Development in Indian States, Measurement of Human Development, Human Development Indicators, Gender Discrimination, Woman's Empowerment.

## Unit-4

New Economic Reforms: Liberalization, Privatization, Globalization in India, An Appraisal of Economic Reforms In India; Competitiveness of Indian Trade and Industry: Special Economic Zones, Disinvestment In India, W.T.O. and Its Impact on the Different Sectors of the Economy; Foreign Direct Investment.

## SUGGESTED READINGS: (LATEST EDITIONS) :

Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/AAC  
P.S.B. Rajkiya Mahavidyalaya  
Naugar, Lambhagan

15  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

**B.A III YEAR .**  
**Paper -II Economics of Development and Planning**

**Unit -1 Economic Development and Economic Growth:** Concept and Definitions of Economic Growth and Economic Development. Differences between Economic Growth and Economic Development, Characteristics of Economic Development, Factors Affecting Economic Growth, Characteristics of Under Developed Countries, Measuring Economic Development: Per Capita Income, Human Development Index, and Physical Quality of Life Index.

**Unit-2 Theories of Development:** Karl Marx Theory, Schumpeter's Theory, Keynes Theory of Economic Development, Restow's Theory of Stages of Economic Growth. Rosentain Rodan's Big Push Theory, Harvey Leibenstein's critical Minimum Effort Theory, Nurkse Theory of Economic Development.

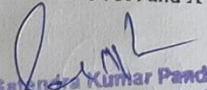
**Unit-3 Economic Planning :**Meaning, Need and Objects of Economic Planning, Types of Economic Planning: Democratic, Decentralized and Indicative Planning: Strategies and Policies for a successful Planning. Requisites for successful planning, planning in third world countries. Mobilization of Resources, People's Participation in Planning. Objectives, Strategy and Evaluation of Indian Planning. , Achievements and Failures, Planning Machinery at the Center, State and local levels. Problems in Plan implementation, Niti Aayog, Mobilization of Resources, In Indian Five - Year Plans, Detailed Study of Last Two Five Year Plans. .


**Unit 4 Techniques of Planning -** Labor Intensive vs. Capital Intensive Technology, Investment Criteria, Cost - Benefit Analysis, Capital - Output Ratio, Input Output Analysis. Role of Monetary, Fiscal and Price Policies in Economic Development, Foreign Trade and Economic Development. External Resources: Foreign Capital and MNCs in India, Foreign Trade as an Engine of Economic Growth and Welfare Implications.

**Unit- 5 Regional Development:** Concepts, Meaning and Importance of Regional Development; indicators of regional development, problems of regional development; Regional Disparities; Concepts and Indicators; Causes of Economic Backwardness and Regional Imbalances; Uttarakhand Economy: Geographical Features, Natural Resources, Land and Irrigation, Forest Resources; Energy Resources; Agriculture, Horticulture; Demographic Profile, Employment and Unemployment, 'Poverty, Migration, Women in the Rural Economy; Industrial Development; Tourism; Prospects and Policies for Development of the Economy of Uttarakhand

**SUGGESTED READINGS : ( LATEST EDITIONS )**

Adelman , I , Theories of Economics Growth and Development ,  
Barro . R . and X . Salal - Martin . Economics Growth . McGrawHIII , New York .

  
**Dr. Savendra Kumar Pandey**  
Co-ordinator, NAAC/IQAC  
P.S.E. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

  
**प्राचार्य**  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

**B. A. I Year**  
**Paper -II Structure and Problems of Indian Economy**

**Unit -1 Indian Economy** –A historical perspective; salient features of Indian economy; national income of India; Natural resources: land, water and forest resources, Demographic features: population, growth and rural – urban distribution, occupational distribution. Poverty and unemployment in Indian. Major programmes for poverty alleviation and employment. Human Development and Human Development Index and **Sustainable Development Goals.**

**Unit-2 Indian Agriculture:** Nature, role and importance of agriculture. Trend in agriculture production and productivity. Agricultural holdings and land reforms. Agriculture mechanization. Marketing of agriculture produce, Agricultural price policy, and rural indebtedness. Co - operative movement in India. Public distribution system and food security.

**Unit-3 Industrial Growth in India** - Structure, performance and problems; public and private sector, Large scale industries: present position and problems. Performance of major industries - Sugar, Iron, Steel, Jute and Cotton Textile Industries. Cottage and small scale industries. Industrial finance, industrial sickness in India. Industrial Labour, relation and social security , Industrial Policy of India and new MSME Policy.

**Unit 4- Social and Infrastructure Development-** Role of Infrastructure in economic development, Development of transport and communication facilities, Private sector participation, Irrigation, power, Energy and Infrastructure development. Progress of Health and Education. National Health Policy, New Education Policy of India.

**Unit-5 India's Foreign Trade:** Role of Foreign Trade in the Economic Development, India's Foreign Trade; Trends in Value, Composition and Direction, Position of Balance of Payments of India, Export Promotion and Import Substitution in India, Export and Import Policy of India, Role of MNC in Economic Development of India. Economic Reforms. Competitiveness of Indian Trade and Industry: Special Economic Zones. W.T. O. and Indian Economy. Foreign Direct Investment.

**SUGGESTED READINGS: (LATEST EDITIONS )**

Agrawal , A . N . : Indian Economy , Wishwa Prakashan , Newage International ( P ) Limited , New Delhi .

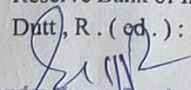
Government of India- Economic Survey ( various issues )


M . P . Todaro - Economic Development , Longman , London .

Misra , S . K . & V . K . Puri : Indian Economy , Himalaya Publishing House , Mumbai .

Reserve Bank of India - Hand book of Statistics on Indian Economy ( Latest ) .

Dutt , R . ( ed . ) : Second Generation Economic Reforms in India , S . Chand , New Delhi

  
**Dr. Satendra Kumar Pandey**  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naghar, Lambgaon

  
**प्राचार्य**  
फूल सिंह विष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव



द्वितीय प्रश्न पत्र  
(उत्तराखण्ड का अर्वाचीन संस्कृत साहित्य, भारतीय संस्कृति एवं निबंध)

अंक 100

30

क. पद्यकाव्य—

सदानन्द उबेराल के नरनाशायणीयम् महाकाव्य के प्रथम सर्ग के प्रथम 10 श्लोक,  
शिवप्रसाद भारद्वाज के लौहपुरुषावदानम् महाकाव्य के प्रथम सर्ग के प्रथम 10 श्लोक,  
हरिनारायण दीक्षित के महाकाव्य भारतमाता ब्रूते के प्रथम सर्ग के प्रथम 10 श्लोक,  
श्रीकृष्ण सेमवाल के वाग्धैभवम् के प्रथम 10 श्लोक,  
राधेश्याम गंगवार के आह्वानम् से अतिथि: एवं अगम्यम्,  
निरंजन मिश्र के वन्दे भारतम् के प्रथम 10 श्लोक तथा  
रामविनय सिंह की शाश्वती से तीन गीत भारतगू; , गीतम् (कोमलम् सुममस्मि वन्द्यो!) एवं  
कोकिल

15

ख. कथाकाव्य—

वनमाली विस्वाल की नीरवस्वन: एवं चम्पी तथा प्रमोद भारतीय की सहपाठिनी एवं  
मलिनवसनम्

15

ग. नाट्य— मथुरादत्त पाण्डेय का नारदमोहिनीयम्

20

घ. भारतीय संस्कृति :

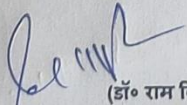
भारतीय संस्कृति का स्वरूप, भारतीय संस्कृति की विशेषतायें, पंचमहायज्ञवर्ण व्यवस्था,  
आश्रम व्यवस्था, संस्कार, पुरुषार्थ

20

ङ संस्कृत में निबंध

अनुशासित ग्रंथ:

01. शिवप्रसाद भारद्वाज—लौहपुरुषावदानम्, जनरल महादेव सिंह मार्ग, देहरादून
02. राधेश्याम गंगवार—चन्द्रगुप्तचरितम्, राजकीय स्नातकोत्तर महाविद्यालय, डाकपत्थर, देहरादून
03. निरंजन मिश्र—वन्दे भारतम्, प्रगतिशील प्रकाशन, दिल्ली
04. राम विनय सिंह—शाश्वती, देववाणी परिषद्, वाणीविहार, उत्तमनगर, नयी दिल्ली
05. हरिनारायण दीक्षित—भारतमाता ब्रूते, ईस्टर्न बुक लिंकर्स, जवाहरनगर, दिल्ली
06. वनमाली विस्वाल—नीरवस्वन:, पद्मजा प्रकाशन, झूसी, इलाहाबाद
07. प्रमोद भारतीय—सहपाठिनी, म्युनिसिपल पोस्ट ग्रेजुएट कॉलेज, मसूरी
08. मथुरादत्त पाण्डेय—पल्लवपंचकम्, मौनीड प्रकाशन, 1292, सेक्टर .15, पंचकूला हरियाणा
09. रामविनय सिंह—शेवधि: , संस्कृत विश्वविद्यालय प्रकाशन, हरिद्वार
10. राधावल्लभ त्रिपाठी—संस्कृत साहित्य का अभिनव इतिहास, राष्ट्रीय संस्कृत संस्थान, दिल्ली
11. Pramod Bharatiya, Fourteen Novels of Sanskrit, Parimal Publications, Delhi
12. शालिमा तवस्सुम—उत्तराखण्ड के संस्कृत साहित्यकार, परिमल प्रकाशन, शक्तिनगर, दिल्ली
13. कपिलदेव द्विवेदी —संस्कृत निबंध शतकम्
14. राजबली पाण्डेय—हिन्दू संस्कार
15. शिवदत्त ज्ञानी—भारतीय संस्कृति
16. प्रीतिप्रभा गोयल—भारतीय संस्कृति, राजस्थानी ग्रंथागार,
17. नरेन्द्रदेव सिंह शास्त्री—भारतीय संस्कृति का इतिहास, साहित्य भण्डार, मेरठ
18. P V Kane—History of Dharmashastra



(डॉ० राम विनय सिंह)

r. Satendra Kumar विशेषज्ञ, पाठ्यक्रम निर्माण समिति  
Co-ordinator, NAAC/QAC  
S. B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

(डॉ० पूनम पाठक)



प्राचार्य  
संयोजक, पाठ्यक्रम निर्माण समिति, राष्ट्रीय महाविद्यालय  
नीघर, लम्बगाँव

पाठ्यक्रम  
श्रीदेव सुमन उत्तराखण्ड विश्वविद्यालय, टिहरी

बी०ए० प्रथम वर्ष

प्रथम प्रश्न पत्र

(सुगम पाठ, व्याकरण एवम् अनुवाद)

अंक 100

क. नीतिशतकम् ( 1 से 25 श्लोक मात्र)	20
ख. हितोपदेशः (भिन्नतामप्रकरण)	25
ग . संज्ञा प्रकरण (लघुसिद्धान्तकौमुदी से)	10
घ . संधि प्रकरण (लघुसिद्धान्तकौमुदी से)	25
ङ . हिन्दी से संस्कृत में अनुवाद	10
च. संस्कृत से हिन्दी में अनुवाद	10

अनुशासित ग्रंथ :

01. भर्तृहरि—नीतिशतकम्, जनार्दन शास्त्री पाण्डेय, मोतीलाल बनारसीदास, दिल्ली
02. नारायण पण्डित—हितोपदेशः, सं. जीवानन्द विद्यासागर, कोलकाता
03. वरदराजकृत लघुसिद्धान्तकौमुदी, श्रीधरानन्द घिल्डियाल, मोतीलाल बनारसीदास, दिल्ली
04. वरदराजकृत लघुसिद्धान्तकौमुदी, भीमसेन शास्त्री, भैमी प्रकाशन, दिल्ली
05. वरदराजकृत लघुसिद्धान्तकौमुदी, सत्यपाल सिंह, शिवालिक प्रकाशन, दिल्ली
06. अनुवाद चन्द्रिका—चक्रधर नौटियाल 'हंस', मोतीलाल बनारसीदास, दिल्ली
07. अनुवाद चन्द्रिका—ब्रह्मानन्द त्रिपाठी, चौखम्बा सुरभारती, वाराणसी
08. बलदेव उपाध्याय—संस्कृत साहित्य का इतिहास, शारदा निकेतन, वाराणसी
09. उमाशंकर शर्मा 'ऋषि'—संस्कृत साहित्य का इतिहास, चौखम्बा सुरभारती, वाराणसी
10. A Macdonell—A History of Sanskrit Literature, New York
11. V S Apte—The Students' Guide to Sanskrit Composition, Chaukhamba, Varanasi
12. M R Kale—Higher Sanskrit Grammar, Motilal Banarsidas, Delhi

Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IOAC  
P. O. B. Rajkiya Mahavidyalaya  
Naugner, Lambgaon

15  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव



BA (UNDER GRADUATE) COURSES FOR SANSKRIT PROGRAMME  
UNDER CHOICE BASED CREDIT SYSTEM (CBCS)  
SEMESTER VI

or		
BA SEMESTER- VI		
SANSKRIT		
PAPER CODE— S0A/SAN/UG/GE-5		
GE-5		
Ethical and Moral Issues in Sanskrit Literature		
M. Marks 70		
[A]	Prescribed Course:	
	Section 'A' Issues in the Mahābhārata	30
	Section 'B' Issues in the Rāmāyana	15
	Section 'C' Issues of personal conduct	10
	Section 'D' Issues in Freedom	15
[B]	Course Objectives:	
	This course aims to get the students familiar with the Ethical and Moral Values in Sanskrit Literature.	
[C]	Unit-Wise Division:	
	Section 'A'	
	Issues in the Mahābhārata	
	Unit I	Half-truths and false hoods- Yudhisthira's declaration of Aśvatthāma's death.
	Unit II	Choosing the lesser evil –Dusyanata's rejection of Śakuntalā in the Abhijñāna Śakuntalam, Act V.
	Unit III	Critique of war in the Mahābhārata (strī parva, Chapters 13-15). War – as it should be and as it is – (Manusmṛti Chapter VII 199-200, 87-93 and Kṛishṇa's stratagems in war).
	Unit IV	Yearning for revenge– Aśvatthāma's revenge on Pāndava progeny; Duryodhana's revenge on Draupadi
	Section 'B'	
	Issues in the Rāmāyana	
	Unit I	Conflict of duty – Rāma the king versus Rāma the Husband.
	Unit II	Obedience and Loyalty– Lakṣmana's allerge to Dasharatha and submission to Rāma in Vālmiki's Rāmāyana.
	Section 'C'	
	Issues of personal conduct	
	Unit I	Self respect – Nītiśatakam, Verses 21 – 30.
	Section 'D'	
	Issues in Freedom	
	Unit I	Poetic freedom and poetic license– restraints on creative expression in Indian poetics and dramaturgy, assessment of popular Indian cinema in the light of these principles.
	Unit II	The person– svadharma and sthitaprajña in the Gītā: Chapter II.

बी0ए0 तृतीय वर्ष

हिन्दी प्रथम प्रश्नपत्र

प्रश्न पत्र-1 प्रयोजनमूलक हिन्दी

इकाई 01 प्रयोजनमूलक हिन्दी का अग्निप्राय।

कामकाजी हिन्दी के विविध रूप, संपर्क भाषा, माध्यम भाषा, राजभाषा, गोलचाल की हिन्दी, मानक हिन्दी, साहित्यिक हिन्दी, संविधान में हिन्दी।

इकाई 02 पत्राचार-कार्यालयी पत्र, व्यवसायिक पत्र। संक्षेपण, पल्लवण, प्रारूपण, टिप्पण।

भाषा कम्प्यूटिंग- वर्ड प्रोसेसिंग, डाटा प्रोसेसिंग और फॉन्ट प्रबंधन।

पत्रकारिता-पत्रकारिता का स्वरूप और वर्तमान परिदृश्य, समाचार- लेखन, पृष्ठसज्जा एवं प्रस्तुतीकरण पृष्ठविन्यास।

इकाई 03 संपादनकला- प्रिंट मीडिया, इलैक्ट्रॉनिक मीडिया, फीचर लेखन, पृष्ठसज्जा एवं

प्रस्तुतीकरण।

इकाई 04 नीडिया लेखन- संचार भाषा का स्वरूप और वर्तमान संचार व्यवस्था।

प्रमुख जनसंचार माध्यम- प्रेस, रेडियो, टी0वी0, फिल्म, वीडियो तथा इन्टरनेट।

माध्यमोपयोगी लेखन-प्रविधि।

अनुवाद- स्वरूप एवं प्रक्रिया, कार्यालयी अनुवाद, वैज्ञानिक अनुवाद, तकनीकी अनुवाद, वाणिज्यिक अनुवाद, विधिक अनुवाद, पारिभाषिक शब्दावली, आशु अनुवाद।

### अंक-विभाजन

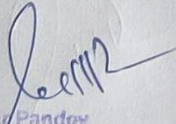
दत्त वस्तुनिष्ठ प्रश्न: 10 अंक (प्रत्येक 01 अंक)

पांच लघुउत्तरीय प्रश्न: 30 अंक (सात में से पांच प्रश्न, प्रत्येक 06 अंक)


तीन दीर्घउत्तरीय प्रश्न: 60 अंक (छह में से तीन प्रश्न, प्रत्येक 20अंक)

### संदर्भ ग्रंथ

1. हिन्दी कार्मिक प्रयोजनमूलक हिन्दी, डॉ. शंकर 'क्षेम' एवं डॉ. कंचन शर्मा, प्रकाश बुक डिपो बरेली,
2. प्रयोजनमूलक हिन्दी, विनोद गोदरे, वाणी प्रकाशन, दरियागंज, नई दिल्ली,
3. प्रयोजनमूलक हिन्दी : सिद्धान्त और प्रयोग, दंगल झाल्टे, वाणी प्रकाशन, नई दिल्ली,

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAA/IIQAC  
P. S. B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

10

  
15  
प्राचार्य  
फूल सिंह विष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

बी0ए0 द्वितीय वर्ष

हिन्दी प्रथम प्रश्नपत्र

गद्य एवं नाट्य साहित्य

इकाई 01 उपन्यास-त्यागपत्र- जैनेन्द्र

कहानी संग्रह- ग्यारह कहानियाँ, सं०-प्र० हरिमोहन

इकाई 02 हिन्दी निबंध एवं स्फुट गद्य विधाएं (सं० आशा जुगरान)

- साहित्य जन समूह के हृदय का विकास है- बालकृष्ण भट्ट
- क्रोध - रामचंद्र शुक्ल
- कबीर और गांधी - पीतांबर दत्त बड़थवाल
- आम फिर बौरा गये - हजारी प्रसाद द्विवेदी
- निंदा रस- हरिशंकर परसाई
- रेखाचित्र -लछमा - महादेवी वर्मा
- यात्रासंस्मरण- सुनहरे त्रिकोण में तेरह दिन - हरिमोहन

इकाई 03. नाटक - ध्रुवस्वामिनी - जयशंकर प्रसाद

इकाई 04 चार एकांकी - सं० देव सिंह पोखरिया

दीपदान, सूखी डाली, बसंत ऋतु का नाटक और ऊसर

अंक-विभाजन

दस वस्तुनिष्ठ प्रश्न: 10 अंक ( प्रत्येक 01 अंक)

पांच लघुउत्तरीय प्रश्न: 30 अंक (सात में से पांच प्रश्न प्रत्येक 06 अंक)

दो दीर्घउत्तरीय प्रश्न: 40 अंक (चार में से दो प्रश्न, प्रत्येक 20 अंक)

दो व्याख्या 20 अंक(चार में से दो व्याख्या ,प्रत्येक 10 अंक)

Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambhgaon

15  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

**B. A. Third Year**

**Paper I – Indian and American Poetry**

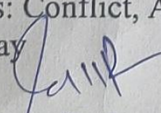
1. Toru Dutt: The Sower
2. Rabindranath Tagore: Song No.35 and 63 - *Gitanjali*
3. Sarojini Naidu: Indian Weavers
4. Aurobindo Ghosh: Bliss of Identity
5. Nissim Ezekiel: Night of the Scorpion
6. Kamala Das: Next to Indira Gandhi
7. Rudyard Kipling: A Ballad of Burial
8. Walt Whitman: O Captain! My Captain
9. Emily Dickinson: (i) I Felt a Funeral in My brain  
(ii) Success is Counted Sweetest
10. Ezra Pound: The River Merchant's Wife; A letter
11. Robert Frost: (i) Mending Walls  
(ii) Stopping by Woods on a Snowy Evening
12. Sylvia Plath: Daddy


**Short Notes:** Sensibility, Symbolism, Didacticism, Myth, Imagism, Poetic Diction, Imagery, Allusion

**Paper II Drama**

1. G B Shaw: Arms and the Man
2. J M Synge: Riders to the Sea

**Short Notes:** Conflict, Atmosphere, Catastrophe, Action, Plot, Diction, Character, Problem Play

  
**Dr. Satendra Kumar Pandey**  
Co-ordinator, NAAC/IQAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

  
**प्राचार्य**  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव

**Paper II**

1. Shakespeare: Othello
2. Short Notes: Tragedy, Soliloquie, Tragic Hero , Prologue

**B. A. Third ( III ) Semester**

**Paper I – Modern Indian & English Prose**

1. A. G. Gardiner: On Saying Please
2. M. K. Gandhi: At School
3. Bertrand Russel: In Praise of Idleness
4. Robert Lynd: The Pleasure of Ignorance
5. R. K. Narayan: Snake in the Grass
6. J.L. Nehru: A Tryst with Destiny
7. S. Radhakrishnan: Democracy
8. Short Notes: Aphorism, Wit, Story, Narration

**Paper II**

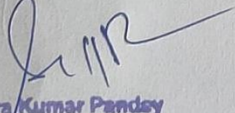
**19<sup>th</sup> Century Fiction**


1. Thomas Hardy: The Mayor of Casterbridge
2. Short Notes: Fiction, Irony, Background, Picaresque Novel

**B. A. Fourth ( IV ) Semester**

**Paper I – Indian English Poetry**

1. Rabindranath Tagore: Song No. 63 - Gitanjali
2. Sarojini Naidu: Indian Weavers
3. Nissim Ezekiel: Night of the Scorpion
4. Toru Dutt: The Sower
5. Aurobindo Ghosh: Bliss of Identity
6. Kamala Das: Next to Indira Gandhi
7. Rudyard Kipling: A Ballad of Burial
8. Short Notes: Sensibility, Poetic Diction, Imagery, Allusion

  
Dr. Satendra Kumar Pandey  
Co-ordinator, NAAC/QAC  
P.S.B. Rajkiya Mahavidyalaya  
Naughar, Lambgaon

  
प्राचार्य  
फूल सिंह बिष्ट राजकीय महाविद्यालय  
नौघर, लम्बगाँव