

**B.A./B.Sc. Hons in Geography( 2010-11 onwards)**

**B.A./B.Sc. Hons in Geography- Semester-I**

<b>Paper</b>	<b>Nomenclature</b>	<b>Max Marks</b>	<b>End-term Exam.</b>	<b>Internal Assessment</b>
<b>101</b>	<b>Introduction to Geography</b>	<b>100</b>	<b>80</b>	<b>20</b>
<b>102</b>	<b>Fundamentals of Human Geography</b>	<b>100</b>	<b>80</b>	<b>20</b>
<b>103</b>	<b>Basic Concepts in Sociology</b>	<b>100</b>	<b>80</b>	<b>20</b>
<b>104</b>	<b>English-I</b>	<b>100</b>	<b>80</b>	<b>20</b>
<b>105</b>	<b>General Cartography</b>	<b>100</b>	<b>60</b>	<b>30 + 10 Viva</b>

**B.A./B.Sc. Hons in Geography( 2010-11 onwards)**  
**Paper 101**  
**Introduction to Geography**

**Marks:100**  
**End- term exam:80**  
**Internal Assessment:20**

**Unit-I**

The nature of geography – Study of the following viewpoints: areal differentiation, landscape school, locational school, recent viewpoints; Core geographic concepts: Location, direction, and distance; Size and scale; Physical and cultural attributes; The changing attributes of place; interrelations between places; The structured content of place – density, dispersion, pattern; place similarity and regions

**Unit II**

General character of Geography in the ancient period – contributions of Greeks and Romans: Herodotus, Eratosthenes, Strabo, Ptolemy: contributions of Chinese scholars

Character of geography in medieval period: Geography in Europe, Geography in Arab world

**Unit-III**

Age of Exploration and Discoveries: Contribution to expansion of geographic horizons; Revival of geography as scientific discipline- contribution of Varenus

**Unit-IV**

Physical and Human Geography; Systematic and Regional Geography :Complementarity

**Note:** - The question paper will have five units. Each of the first four units of the question will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. Unit-V shall be compulsory and contain 8 short answer type questions covering the entire syllabus. All questions carry equal marks.

References:

Dikshit, R. D. 1994: geographical thought- A Contextual history of Ideas' New Delhi: Prentice hall of India

Tozer,H.F. 1975: A History of Ancient Geography,New Delhi: Ess Ess Publications

Martin, G.J. and P. E. James1993:All Possible worlds: A history of geographic Ideas, New York, John Wiley

**Paper 102**  
**Fundamentals of Human Geography**

**Max. Marks:100**  
**End- term exam:80**  
**Internal Assessment:20**

**Unit-1**

Human Geography: Nature and Scope; Branches of Human Geography; The World Population: Distribution, density and growth- Concept, determinants and patterns: The Demographic Transition, population theories - Malthus, Human Development- measuring human development

**Unit-II**

The classification of economic activity: Primary activities- Agriculture- pattern, characteristics and types of world agriculture. Von Thunen's model of agricultural location. Secondary activities- locational decisions in manufacturing. Weber's least cost theory of industrial location, Transnational Corporations

**Unit –III**

Tertiary and Quaternary activities: types of tertiary, quaternary activities, Modes of Transportation, communication, Edward Ullman's model of spatial interaction; International trade – types, composition and direction.

**Unit-IV**

Human Settlements; Types and patterns of rural settlements, classification and types of urban settlements

**Note:** - The question paper will have five units. Each of the first four units of the question will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. Unit-V shall be compulsory and contain 8 short answer type questions covering the entire syllabus. All questions carry equal marks.

(Reading list to be supplied later)

**Paper 103**  
**Basic Concepts in Sociology**

**Max. Marks:100**  
**End- term exam:80**  
**Internal Assessment:20**

**UNIT- I**

**Nature, Definition & Scope of Sociology:** Its Relationship with History, Economics, Political Science, Anthropology and Psychology.

**UNIT- II**

**Basic Concepts:** Its Nature and Characteristics, Social Structure, Status & Role, Society, Community, Association, Norms and values.

**.UNIT- III**

**Social Groups and Processes:** Nature, Definition & Types: Primary Secondary & Reference Group, Integration, Cooperation and Conflict.

**UNIT- IV**

**Socialization and Social Institutions:** Definition, Stages and Agencies of Socialization; Nature, Characteristics and Significance of Economic and Political Institutions.

**Note:** - The question paper will have five units. Each of the first four units of the question will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. Unit-V shall be compulsory and contain 8 short answer type questions covering the entire syllabus. All questions carry equal marks.

**Reading List:**

- Ahuja, Ram (2001): **Indian Social System**, New Delhi : Rawat Publication.  
Ahuja, Ram (2003): **Society in India**, New Delhi: Rawat Publication.  
Bottmore, T.B. (1972) **Sociology : A guide to Problems and Literature**, Bombay : George Allen and Unwin ( India).  
Fulcher & Scott (2003): **Sociology**, New York: Oxford University Press.  
Giddens, Anthony (2005): **Sociology**, Polity Press.  
Harlambos, M. A. (1998) **Sociology: Themes and Perspective**, New Delhi: Oxford University Press.  
Harlambos & Holborn (2000): **Sociology**, London: Harper- Collins.  
Inkless, Alex (1987): **What is Sociology?** New Delhi: Prentice Hall of India.  
Johnson, Harry M. (1995): **Sociology: A Systematic Introduction**, New Delhi: Allied Publishers.  
MacIver and Page (1974) : **Society: An Introductory Analysis**, New Delhi: Macmillan & Co.  
P.Gisbert (2010): **Fundamental of Sociology**, New Delhi: Orient Blackswan.

**Paper 104**  
**English-I**

**Max. Marks: 100**  
**End- term exam: 80**  
**Internal Assessment: 20**

**Unit-I (Poetry)**

The following poems from *The Chronicles of Time* edited by Asha Kadyan (Oxford University Press)

1. *Let Me Not to the Marriage of True Minds* by William Shakespeare.
2. *Death Be Not Proud* by John Donne.
3. *On His Blindness* by John Milton.
4. *Shadwell* by John Dryden.
5. *Know Then Thyself* by Alexander Pope
6. *The little Black Boy* by William Blake
7. *Three years she grew in Sun and Shower* by William Wordsworth

**Unit-II (Phonetics and Grammar)**

1. **Phonetics:** Introduction to the Sound System of English; Phonetics Symbols, Organs of Speech, Transcription of Words, (*Oxford Advance Learner's Dictionary* by Hornby to be followed)
2. **Grammar:** Parts of Speech, Types of Sentences, Common Errors, technical writing (application writing, business letter).

**Note: Instructions for the paper - setter and the students:**

Q. No. 1 : Explanation with reference to the context. The students will be required to attempt two passages out of the given four from the book of poems. 16 Marks

Q. No. 2: Two questions(with internal choice) will be asked based on theme, central idea, message and narrative technique of the poem.  $8 \times 2 = 16$  Marks

Q. No. 3: The question will be based on the Sound System of English language having internal choice. 16 Marks

Q. No. 4: The question will be based on grammar. There will be internal choice with 16 sentences out of 24 to be attempted. 16 Marks

Q. No. 5: The question will be based on technical writing. There will be internal choice. 16 Marks

**Reading List:**

1. *High School Grammar* by Wren and Martin
2. *A Remedial English Grammar for Foreign Students* by F.T. Wood
3. *Essentials of communication* by D. G. Saxena

**Paper 105**  
**General Cartography**

**Max. Marks:100**  
**Lab Test 60**  
**Practical Record 30**  
**Viva-voce10**

**Unit-I**

Basic Concepts of Cartography: Meaning, nature and subject matter of Cartography;  
Maps – Elements and Classification of maps

**Unit-II**

Map Scales.

- (i) Methods of Expressing a scale
- (ii) Conversion of Statement of Scale into R.F. and vice-versa.
- (iii) Plain Scale (Km and mile)
- (iv) Comparative Scale
- (v) Diagonal Scale

**Unit-III**

Measurement of Distances and Areas on Maps; Enlargement and Reduction of Maps;  
Latitude and Longitude; Global Time- Standard time, World time-zones, International  
date-line

Note:

1. At least fifteen exercises are to be prepared from Unit-II and Unit-III covering all the topics.
2. In the examination, the lab test shall comprise of six questions in all with at least two questions from each unit. The candidate has to attempt three questions selecting one from each unit.
3. All questions carry equal marks.

Reading List:

Sharma, J P : Prayogik Bhoogol, Rastogi Publication.  
Singh, R L : Practical Geography,

**B.A. Hons. In Geography**  
**Semester-II Examination**

<b>Paper No.</b>	<b>Nomenclature</b>	<b>End –Term Exam</b>	<b>Internal Assessment</b>
<b>201</b>	<b>Fundamentals of Physical Geography</b>	<b>80</b>	<b>20</b>
<b>202</b>	<b>Ecology and Environment</b>	<b>80</b>	<b>20</b>
<b>203</b>	<b>Foundation course in Economics</b>	<b>80</b>	<b>20</b>
<b>204</b>	<b>English-II</b>		
<b>205</b>	<b>Representation of Physical Features (Practical)</b>	<b>100</b>	
	<b>a. Lab Test</b>	<b>60</b>	
	<b>b. Practical Record</b>	<b>30</b>	
	<b>c. Viva-voce</b>	<b>10</b>	

**Paper 201**  
**Fundamentals of Physical Geography**

**Max. Marks:100**  
**End- term exam:80**  
**Internal Assessment:20**

**Unit-I**

Physical Geography – its nature and scope; interior of the earth; continental drift and plate tectonics; earth movements – orogenic and epirogenic; theory of isostasy.

**Unit-II**

Rocks: definition and types of rocks – igneous, sedimentary and metamorphic; weathering, mass wasting and erosion; mountains, plateaus and plains – general classification; cycle of erosion.

**Unit-III**

Weather and climate: elements of weather and climate; atmosphere – composition, structure and functions; atmospheric temperature – insolation and heat budget; atmospheric pressure and winds; planetary and local winds; atmospheric humidity, condensation and precipitation.

**Unit-IV**

Oceans: surface configuration – continental shelves, continental slopes, deep ocean basins, trenches and arcs; temperature and salinity; circulation of oceanic water – currents and tides.

**Note:** - The question paper will have five units. Each of the first four units of the question will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. Unit-V shall be compulsory and contain 8 short answer type questions covering the entire syllabus. All questions carry equal marks.

**Reading list:**

Bunnett, R B : Physical Geography in Diagrams, Longman Publications, New Delhi.

Gautam, Alka: Physical Geography, Rastogi Publication, Meerut,

Husain, Majid: Fundamentals of Physical Geography, Rawat Publications, Jaipur, 2001.

Singh, Savinder: Physical Geography, Prayag Pustak Bhawan, Allahabad, 1996.

Strahler A N and Strahler A H: Physical Geography, John Willey, New York, 1996



**Paper 202**  
**Ecology and Environment**

**Max. Marks:100**  
**End- term exam:80**  
**Internal Assessment:20**

**Unit-I**

Geography as the study of environment; man-environment relationship: its changing focus; Ecology and Ecosystem; Population, Resources, Environment and Development; Concepts and Approaches; Components of the ecosystem: a-biotic, biotic

**Unit-II**

Functional characteristics of ecosystems: Food chains and food webs – productivity, and ecological efficiencies, trophic levels, ecological pyramids; energy flow; nutrient cycling; Ecological succession and equilibrium

**Unit-III**

Introduction to Major Ecosystems of the World; Forest ecosystems: problems and management, Biodiversity – importance, causes for the loss of biodiversity; Desert ecosystem: Desertification-process and patterns; management strategies: Coastal ecosystems: problems -Mangroves, coastal pollution, cyclones ;

**Unit-IV**

Managed ecosystems: agricultural and urban environmental problems and their management with reference to India; Global environmental changes.

**Note:** - The question paper will have five units. Each of the first four units of the question will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. Unit-V shall be compulsory and contain 8 short answer type questions covering the entire syllabus. All questions carry equal marks.

**Reading**

- Balakrishnan, M., 1998: Environmental Problems and Prospects in India, Oxford & IBH Pub., N. Delhi.
- Das, R.C., et. al., 1998: The Environmental Divide: The Dilemma of Developing Countries, A.P.H. Pub., New Delhi.
- Goel R.S., 2000: Environment Impacts Assessment of Water Resources Projects- Concerns, Policy Issues Perceptions and Scientific Analysis, Oxford & IBH Publishing Co. Pvt. Ltd, N. Delhi
- Gole, P., 2001: Nature Conservation and Sustainable Development in India, Rawat Pub., Jaipur.
- Hussain, M., (ed.) 1996: Environmental Management in India, Rawat Pub., Jaipur
- Hooja, R., et. al., (ed.) 1999: Desert, Drought and Development: Studies in Resource Management and Sustainability, Rawat Pub, Jaipur
- Munn, T., (ed.) 2001: Encyclopaedia of Global Environmental Change, John Wiley & Sons, West Sussex
- Ramakrishnan, P.S., 1998: Conservation and Management of Biological Resources in Himalaya, Oxford & IBH Pub., New Delhi.
- Sapru, R.K., 1987: Environmental Management in India, A.P.H. Pub., New Delhi.
- Saxena, H.M., 1999: Environmental Geography, Rawat Pub., Jaipur.

Singh, R.B., (ed.) 1990: Environmental Geography, Heritage Pub., New Delhi.  
Singh R.B., (ed.) 2001 : Urban Sustainability in the Context of Global Change, Science  
Pub.,  
Inc., Enfield (NH), USA  
Singh, S., 1997: Environmental Geography, Prayag Pustak Bhawan, Allahabad.  
Verma, C.V.J., 1998: Water Quality and its Management, Oxford & IBH Pub., New  
Delhi Page 6 of 57

**Paper 203**  
**Foundation course in Economics**

**Max. Marks:100**  
**End- term exam:80**  
**Internal Assessment:20**

**Unit-I**

Nature and scope of Economics; Central problems of Economics.

Consumer's behavior: law of demand; elasticity of demand – price, income and cross elasticity of demand; Consumer equilibrium – cardinal and indifference curve approaches.

**Unit-II**

Theory of production and cost: Production decision and production functions; isoquant; law of variable proportions; return to scale; economies of scale; different concepts of costs and their interrelations.

Market structure and commodity pricing: perfect competition; monopoly and price determination; monopolistic competition.

**Unit-III**

National income accounting; personal and disposable income; measurement of national income – value added, income method and expenditure method

**Unit-IV**

Money and banking: money – meaning and functions; demand for and supply of money; banks- forms and functions.

Government budget and economy: receipts and expenditure – concepts and their forms; taxes – concept and types.

Interregional and international trade; balance of payment.

**Note:** - The question paper will have five units. Each of the first four units of the question will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. Unit-V shall be compulsory and contain 8 short answer type questions covering the entire syllabus. All questions carry equal marks.

**Essential Readings**

Case, Karl E and Fair, Ray C, *Principles of Economics*' 6<sup>th</sup> edition. Pearson (First Indian Print 2002 Education Asia)

Samuelson, Paul A and Nordhaus, William D (2006) *Economics*, 18<sup>th</sup> Edition, Tata McGraw Hill Publishing Company Limited, New Delhi

Sloman, John (2004), '*Economics*', 3<sup>rd</sup> Edition, Prentice Hall of India,

Soderston, BO (1991), *International Economics*, The Macmillan Press Ltd., London Singh,

S.K., *Public Finance in Theory and Practice*, S. Chand & Co

**Further Readings:**

Diulio, Eugene A. (1974), *Macro Economic Theory*, 2<sup>nd</sup> Edition, McGraw -Hills (Schaum Series)

Salvatore, Dominick (2003), *Micro Economics* (Theory and Applications), 4<sup>th</sup> Edition, Oxford. (Schaum Series)

**Paper 204**  
**English-II**  
**(LITERATURE AND LANGUAGE)**

**Max. Marks:100**  
**End- term exam:80**  
**Internal Assessment:20**

**Part-A Short Stories**

The following Stories from *The Pointed Vision: An Anthology of Short Stories* By Usha Bande and Krishan Gopal (Oxford University Press, New Delhi):

1. 'The Bet' by Anton Chekhov
2. 'Gift of the Magi' by O Henry
3. 'The Postmaster' by Rabindranath Tagore
4. 'Three Questions' by Leo Tolstoy.
5. 'The Dying Detective' by Arthur Conan Doyle.
6. 'Under the Banyan Tree' by R.K. Narayan.

**Part-B (i) Grammar and Writing Skills**

- a) Synonyms and Antonyms
- b) Prefix-Suffix
- c) Homophones and Homonyms
- d) One word substitution

**(ii) Writing Skills**

- a) Developing writing skills through theme based paragraphs
- b) Technical writing: E-mail writing, Reporting, Resume writing, Re-viewing T.V. Programmes

**Instructions to the Paper Setter and the Students**

Q.No. 1 Explanation with reference to the context. The student will be required to attempt two passages (with internal choice) from the book of Stories

8x2=16

Q.No. 2 Two essay type questions (with internal choice) will be asked from the book of stories.

8x2=16

Q.No. 3 This question will be based on grammar. Students will be required to attempt 16 sentences out of the given 24.

16

Q.No.4 & 5 Question No. 4 & 5 will be based on writing skills and technical writing.

16x2=32

**Note:** - The question paper will have five units. Each of the first four units of the question will contain two questions from each unit of the syllabus. Candidate(s) are required to attempt one question from each unit. Unit-V shall be compulsory and contain 8 short answer type questions covering the entire syllabus. All questions carry equal marks.

Suggested Reading:

High School Grammar by Wren and Martin.

Remedial English Grammar for Foreign Students by F.T. Wood.

Essentials of Communication by D.G.Saxena

**Paper 205**  
**Representation of Physical Features**

**Max. Marks:100**  
**Lab Test 60**  
**Practical Record 30**  
**Viva-voce10**

**Unit-I**

Intervisibility – determination methods; Interpolation of contours.

**Unit-II**

Profiles – types of profiles, drawing of profiles and cross sections; representation of relief – methods.

**Unit-III**

Representation of different landforms with the help of profiles and cross sections, Area-height diagrams, hypsometric curve and altimetric frequency histogram.

**Note: Note:**

1. At least fifteen exercises are to be prepared from all the units covering all the topics.
2. In the examination, the lab test shall comprise of six questions in all with at least two questions from each unit. The candidate has to attempt three questions selecting one from each unit.
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**Reading List:**

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