

**BACHELOR'S DEGREE PROGRAMME (SYLLABUS OF FIRST 4 SEMESTER)**

**First Year-Semester-I**

<b>Semester-I</b>			
<b>Major Subjects</b>	<b>Credits</b>		<b>Syllabus</b>
<p><b>Total credits of Major Papers = 12 credits</b></p>	<b>6</b>	<b>Major Paper-I (Physical Geography)</b>	<p><b>1. Physical Geography (Core, 4 Credits)</b></p> <p><b>Unit I</b> Meaning Nature and Scope of Physical Geography, Approaches to study Physical Geography</p> <p><b>Unit II</b> Origin of the Earth; Components of Earth System. Interior of the Earth; Plate Tectonics, Rocks. Weathering; Work of river, wind, glacier and underground water and its associated features. Cycle of Erosion – Davis and Penck</p> <p><b>Unit III</b> Atmosphere – Heat Balance; Wind types and pressure; Cyclone; Monsoon- jet streams; Climatic Classification (Koppen).</p> <p><b>Unit IV</b> Hydrosphere –Hydrological Cycle; Ocean Bottom Relief Features; Tides; Currents and Salinity, Coral reef.</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Conserve H. T., 2004: Illustrated Dictionary of Physical Geography, Author House, USA.</li> <li>2. Gabbler R. E., Petersen J. F. and Trapasso, L. M., 2007: Essentials of Physical Geography (8th Edition), Thompson, Brooks/Cole, USA.</li> <li>3. Garrett N., 2000: Advanced Geography, Oxford</li> </ol>

		<p>University Press.</p> <ol style="list-style-type: none"><li>4. Goudie, A., 1984: The Nature of the Environment: An Advanced Physical Geography, Basil Blackwell Publishers, Oxford.</li><li>5. Hamblin, W. K., 1995: Earth's Dynamic System, Prentice Hall, N.J.</li><li>6. Husain M., 2002: Fundamentals of Physical Geography, Rawat Publications, Jaipur.</li><li>7. Monkhouse, F. J. 2009: Principles of Physical Geography, Platinum Publishers, Kolkata.</li><li>8. Strahler A. N. and Strahler A. H., 2008: Modern Physical Geography, John Wiley &amp; Sons, New York.</li><li>9. Savindra Singh: Physical Geography (Hindi, English)</li></ol>
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<p style="text-align: center;"><b>6</b></p>	<p style="text-align: center;"><b>Major Paper-I (Practical Geography)</b></p>	<p style="text-align: center;"><b>2. Practical Geography</b></p> <p>a. Scale: Simple, comparative and diagonal scale.  b. Toposheets: introduction, indexing, interpretation and conventional signs.  c. Landform features based on contours.  d. General introduction and interpretation of Aerial Photographs.</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Dent B. D., 1999: <i>Cartography: Thematic Map Design</i>, (Vol. 1), McGraw Hill.</li> <li>2. Gupta K. K and Tyagi V. C., 1992: <i>Working with Maps</i>, Survey of India, DST, New Delhi.</li> <li>3. Mishra R. P. and Ramesh A., 1989: <i>Fundamentals of Cartography</i>, Concept Publishing.</li> <li>4. Robinson A., 1953: <i>Elements of Cartography</i>, John Wiley.</li> <li>5. Sharma J. P., 2010: <i>Prayogic Bhugol</i>, Rastogi Publishers.</li> <li>6. Singh R. L. and Singh R. P. B., 1999: <i>Elements of Practical Geography</i>, Kalyani Publishers</li> <li>7. Singh R. L., 1998: <i>Prayogic Bhoogol Rooprekha</i>, Kalyani Publications.</li> <li>8. Steers J. A., 1965: <i>An Introduction to the Study of Map Projections</i>, University of London.</li> </ol>
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<p><b>Additional/Multidisciplinary</b></p>	<p><b>4</b></p>	<p><b>Additional Course-I (multidisciplinary)</b></p>	<p><b>Geography of World</b></p> <p><b>Unit I</b> Population distribution and factors affecting population distribution; Population growth; Races and tribes</p> <p><b>Unit II</b> Major Agriculture crops’ agricultural regions; Forestry; Sheep Rearing and Fishing.</p> <p><b>Unit III</b> Minerals; Energy and Water resources;</p> <p><b>Unit IV</b> Industries and Trade: Iron &amp;Steel, Textiles, Petrochemicals, Automobiles and Major trade Blocks of the World</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Agyeman, Julian, Robert D. Bullard and Bob Evans (Eds.) (2003) Just Sustainabilities: Development in an Unequal World. London: Earthscan. (Introduction and conclusion.).</li> <li>2. Ayers, Jessica and David Dodman (2010) “Climate change adaptation and development I: the state of the debate”. Progress in Development Studies 10 (2): 161-168.</li> <li>3. Baker, Susan (2006) Sustainable Development. Milton Park, Abingdon, Oxon; New York, N.Y.: Routledge. (Chapter 2, “The concept of sustainable development”).</li> <li>4. Brosius, Peter (1997) “Endangered forest, endangered people: Environmentalist representations of indigenous knowledge”, Human Ecology 25: 47-69.</li> <li>5. Lohman, Larry (2003) “Re-imagining the population debate”. Corner House Briefing 28.</li> </ol>
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			<p>6. Martínez-Alier, Joan et al (2010) “Sustainable development: Mapping the context, criticisms and future prospects of an emergent paradigm” Ecological Economics 69: 1741-1747.</p> <p>7. Merchant, Carolyn (Ed.) (1994) Ecology. Atlantic Highlands, N.J: Humanities Press. (Introduction, pp 1-25.)</p> <p>8. Osorio, Leonardo et al (2005) “Debates on sustainable development: towards a holistic view of reality”. Environment, Development and Sustainability 7: 501-518.</p> <p>9, Robbins, Paul (2004) Political Ecology: A Critical Introduction. Blackwell Publishing</p>
<b><u>Extracurricular Courses/CC</u></b>	2	<b>1- Understanding and connecting with Environment</b>	<b>University will prepare a course with focus on connecting student with environment. To make student more environment sensitive.</b>
<b><u>Communication skills/CC</u></b>	2	1-Communication skill Course (Based on developing soft skills)	<b>University will prepare communication courses in Modern/Indian languages from which student will select one language course. The course will be more on applied side with giving students a chance to develop their soft skills.</b>
<b>Total</b>	<b>20 credits</b>		
<b>Note: Each additional/multidisciplinary course will only be of two semesters. The course opted by a student in first semester will be continued in the second semester. The student will have the choice to select another Multidisciplinary course in third semester which will again be continued in fourth semester.</b>			

### **First Year-Semester-II**

<b>Semester-II</b>			
<b><u>Major Subjects</u></b>	<b>Credits</b>		

6	Major Paper-I (Human Geography)	<p><b>Human Geography</b></p> <p><b>Unit I</b> Definition, nature, scope, branches and contemporary relevance.</p> <p><b>Unit II</b> Cultural Regions; Race; Religion and Languages Population: Population Growth; Migration- Definition and types.</p> <p><b>Unit III</b> World Population Distribution and Composition. Settlements: Types and Patterns of Rural Settlements; Classification of Urban Settlements; Trends and Patterns of World Urbanization</p> <p><b>Unit IV</b> Tribes of India: Bheel, Gond, Santhal and Naga.</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.</li> <li>2. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver &amp; Boyd, London.</li> <li>3. Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.</li> <li>4. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.</li> </ol>
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		<p>5. Kaushik, S.D. (2010) Manav Bhugol, Rastogi Publication, Meerut.</p> <p>6. Maurya, S.D. (2012) Manav Bhugol, Sharda Pustak Bhawan. Allahabad.</p> <p>7. Ghosh, S. (2015) Introduction to settlement geography. Orient Black Swan Private Ltd., Kolkata</p> <p>8. Hussain, Majid (2012) Manav Bhugol. Rawat Publications, Jaipur</p>
6	<b>Major Paper-I (Practical Geography)</b>	<p><b>Practical</b></p> <p><b>Unit I</b> Map Projection: Classification; Conical Projection with one and two standard parallel,</p> <p><b>Unit II</b> Bonne's; Cylindrical Equal Area; Mercator's; and Polar Zenithal Equal Area map projection</p> <p><b>Unit III</b> Use and handling of meteorological instruments and interpretation of Indian Daily Weather Reports</p> <p><b>Unit IV</b> Distribution Map: Isopleth, Choropleth , and Dot method</p> <p><b>Recommended Books</b></p> <p>.</p> <p>1. Dent B. D., 1999: <i>Cartography: Thematic Map Design</i>, (Vol. 1), McGraw Hill.</p> <p>2. Gupta K. K and Tyagi V. C., 1992: <i>Working with</i></p>

			<p><i>Maps</i>, Survey of India, DST, New Delhi.</p> <p>3. Mishra R. P. and Ramesh A., 1989: <i>Fundamentals of Cartography</i>, Concept Publishing.</p> <p>4. Robinson A., 1953: <i>Elements of Cartography</i>, John Wiley.</p> <p>5. Sharma J. P., 2010: <i>Prayogic Bhugol</i>, Rastogi Publishers.</p> <p>6. Singh R. L. and Singh R. P. B., 1999: <i>Elements of Practical Geography</i>, Kalyani Publishers</p> <p>7. Singh R. L., 1998: <i>Prayogic Bhoogol Rooprekha</i>, Kalyani Publications.</p> <p>8. Steers J. A., 1965: <i>An Introduction to the Study of Map Projections</i>, University of London</p>
	4	<p><b>Additional (multidisciplinary)</b></p> <p><b>Course-II</b></p>	<p><b>Geography of World</b></p> <p><b>Unit I</b>  Concepts, bases and characteristics of developed and developing countries; Indicators and Levels of development: Developed, Developing, Under-developed, and Least-developed worlds.</p> <p><b>Unit II</b>  Physical resource base: landforms, climate, soils, vegetation, power, mineral and water resources</p> <p><b>Unit III</b>  World population: growth, causes and consequences; Urbanization: trends and pattern</p> <p><b>Unit IV</b>  Concept and methods of industrial regionalization; Major industrial regions of the world; Mid -Atlantic coastal region of USA, Ruhr Industrial region, Mumbai -Ahmedabad industrial</p>



			<p>region.</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. di Blij, H. and Muller, O. (1993): Geography: Regions and Concepts. John Wiley and Sons, New York.</li> <li>2. Jackson, R. H. and Husman, L. E. (1991): World Regional Geography: Issues for Today. John Wiley and Sons, New York.</li> <li>3. Jones, P. and Bryan, P. (1954): North America: An Historical, Economic and Regional Geography, Methuen and Company. Ltd, London.</li> <li>4. Kolb, A. (1971): East Asia, China, Japan, Korea, Vietnam, Methuen, London.</li> <li>5. Rai, Gayatri (2007): <i>Vishwa Ka Pradeshik Bhugol</i>, Mishra Trading Corporation, Varanasi</li> <li>6. Sharma, P. R. (ed.) (1991): Perspectives on Third World Development. Rishi Publication, Varanasi.</li> <li>7. Stamp, L. D. (1976): Asia: A Regional and Economic Geography, Methuen, London.</li> </ol>
<b><u>Extracurricular Courses/Compulsory course</u></b>	2	1- Culture, traditions and moral values	<b>University will prepare a course with focus on Indian regional culture studies. (This course could be taught in regional language)</b>
<b><u>Life Skills and personality development /CC</u></b>	2	1- Life Skills and personality development	<b>University will prepare a bouquet of courses which will focus on developing life skills such as stress management through Yoga, teamwork, cooperation, work ethics etc</b>
<b><u>Total</u></b>	<b>20 credits</b>		
<b><u>Note:</u></b>	<b>In case of exit after completion of first year/second semester, student will be awarded Certificate on the basis of Core.</b>		

## Second Year-Semester-III

Semester-III			
<u>Major Subjects</u>	Credits		
	6	Major Paper-I (Geography of India)	<p><b>Geography of India</b></p> <p><b>Unit I</b> Physiographic Regions, Geological Structure, Drainage, Climate, Natural Vegetation and Soil.</p> <p><b>Unit II</b> Population – Size and growth since 1901; Population Distribution Density; Literacy; Sex Ratio Rural and Urban Settlements: Types and patterns.</p> <p><b>Unit III</b> Resource Base – Livestock (cattle and fisheries); Power (coal, and hydroelectricity); Minerals (iron ore, petroleum and bauxite).</p> <p><b>Unit IV</b> Economy– Agriculture, Industries, Transportation and Trades</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"><li>1. Hussain M., 1992: <i>Geography of India</i>, Tata McGraw Hill Education.</li><li>2. Mamoria C. B., 1980: <i>Economic and Commercial Geography of India</i>, Shiva Lal Agarwala.</li><li>3. Miller F. P., Vandome A. F. and McBrewster J., 2009: <i>Geography of India: Indo- Gangetic Plain, Thar Desert, Major Rivers of India, Climate of India, Geology of</i></li></ol>

		<p><i>India</i>, Alpha script Publishing.</p> <p>4. Nag P. and Sengupta S., 1992: <i>Geography of India</i>, Concept Publishing.</p> <p>5. Pichamuthu C. S., 1967: <i>Physical Geography of India</i>, National Book Trust.</p> <p>6. Sharma T. C. and Coutinho O., 1997: <i>Economic and Commercial Geography of India</i>, Vikas Publishing.</p> <p>7. Singh Gopal, 1976: <i>A Geography of India</i>, Atma Ram.</p> <p>8. Spate O. H. K. and Learmonth A. T. A., 1967: <i>India and Pakistan: A General and Regional Geography</i>, Methuen.</p>
6	Major Paper- (Practical Geography)	<p><b>Practical Geography</b></p> <p><b>Unit I</b> Primary and secondary data and their sources; Methods of primary data collection; Classification of statistical data and tabulation.</p> <p><b>Unit II</b> Frequency curve, histogram and polygon; Measures of Central Tendency- Mean, Median, Mode.</p> <p><b>Unit III</b> Measures of dispersion- Quartile, Standard Deviation and Coefficient of Variation.</p> <p><b>Unit IV</b> Coefficient of Correlation- Karl Pearson's and Spearman's methods, Scatter Diagrams. Introductory knowledge of SPSS.</p> <p><b>Recommended Books</b></p>

			<ol style="list-style-type: none"> <li>1. Dent B. D., 1999: <i>Cartography: Thematic Map Design</i>, (Vol. 1), McGraw Hill.</li> <li>2. Gupta K. K and Tyagi V. C., 1992: <i>Working with Maps</i>, Survey of India, DST, New Delhi.</li> <li>3. Mishra R. P. and Ramesh A., 1989: <i>Fundamentals of Cartography</i>, Concept Publishing.</li> <li>4. Robinson A., 1953: <i>Elements of Cartography</i>, John Wiley.</li> <li>5. Sharma J. P., 2010: <i>Prayogic Bhugol</i>, Rastogi Publishers.</li> <li>6. Singh R. L. and Singh R. P. B., 1999: <i>Elements of Practical Geography</i>, Kalyani Publishers</li> <li>7. Singh R. L., 1998: <i>Prayogic Bhoogol Rooprekha</i>, Kalyani Publications.</li> <li>8. Steers J. A., 1965: <i>An Introduction to the Study of Map Projections</i>, University of London.</li> </ol>
<b><u>Additional Course</u></b>	<b>4</b>	Additional Course (Multidisciplinary)-I	<p><b>Geography of India ( 4 Credits)</b></p> <p><b>Unit I</b> Physical Setting – Location, Structure and Relief, Drainage, Climate.</p> <p><b>Unit II</b> Population – Size and Growth since 1901, Population Distribution, Literacy, Sex Ratio.</p> <p><b>Unit III</b> Settlement System - Rural Settlement Types and Patterns, Urban Pattern</p> <p><b>Unit IV</b> Resource Base – Livestock (cattle and fisheries), Power (coal, and hydroelectricity) and Minerals (iron ore, coal and petroleum and bauxite).</p> <p><b>Recommended Books</b></p>

			<ol style="list-style-type: none"> <li>1. Hussain M., 1992: <i>Geography of India</i>, Tata McGraw Hill Education.</li> <li>2. Mamoria C. B., 1980: <i>Economic and Commercial Geography of India</i>, Shiva Lal Agarwala.</li> <li>3. Miller F. P., Vandome A. F. and McBrewster J., 2009: <i>Geography of India: Indo- Gangetic Plain, Thar Desert, Major Rivers of India, Climate of India, Geology of India</i>, Alpha script Publishing.</li> <li>4. Nag P. and Sengupta S., 1992: <i>Geography of India</i>, Concept Publishing.</li> <li>5. Pichamuthu C. S., 1967: <i>Physical Geography of India</i>, National Book Trust.</li> <li>6. Sharma T. C. and Coutinho O., 1997: <i>Economic and Commercial Geography of India</i>, Vikas Publishing.</li> <li>7. Singh Gopal, 1976: <i>A Geography of India</i>, Atma Ram.</li> <li>8. Spate O. H. K. and Learmonth A. T. A., 1967: <i>India and Pakistan: A General and Regional Geography</i>, Methuen.</li> </ol>
<b>Skill Course</b>	<b>2</b>	<b>One Skill/Vocational Course-I</b>	<p><b>Regional Development and Planning with Special Reference to Uttarakhand</b></p> <p>A. 1 Definition, need and types of regional Planning.  2. Delineation of Planning Region, Planning Regions of Uttarakhand</p> <p>B. Comprehensive Report supported by Maps, Diagrams, Tables and Photographs</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Blij H. J. De, 1971: <i>Geography: Regions and Concepts</i>, John Wiley and Sons.</li> <li>2. Claval P.I, 1998: <i>An Introduction to Regional Geography</i>, Blackwell</li> </ol>

			<p>Publishers, Oxford and Massachusetts.</p> <p>3. Friedmann J. and Alonso W. (1975): <i>Regional Policy - Readings in Theory and Applications</i>, MIT Press, Massachusetts.</p> <p>4. Gore C. G., 1984: <i>Regions in Question: Space, Development Theory and Regional Policy</i>, Methuen, London.</p> <p>5. Gore C. G., Köhler G., Reich U-P. and Zieseimer T., 1996: <i>Questioning Development; Essays on the Theory, Policies and Practice of Development Intervention</i>, Metropolis- Verlag, Marburg.</p> <p>6. Haynes J., 2008: <i>Development Studies</i>, Polity Short Introduction Series.</p> <p>7. Johnson E. A. J., 1970: <i>The Organization of Space in Developing Countries</i>, MIT Press, Massachusetts.</p> <p>8. Peet R., 1999: <i>Theories of Development</i>, The Guilford Press, New York.</p> <p>9. UNDP 2001-04: <i>Human Development Report</i>, Oxford University Press.</p> <p>10. World Bank 2001-05: <i>World Development Report</i>, Oxford University Press, New</p>
<b><u>IKS-1</u></b>	2	<b>1-Indian Knowledge System (National)-I</b>	<b>Compulsory for all U.G. students</b>
<b><u>Total</u></b>	<b>20 credits</b>		
<p><b>Note: Each multidisciplinary course will only be of two semesters. The course opted by a student in first semester will be continued in the second semester. The student will have the choice to select another Multidisciplinary course in third semester which will again be continued in fourth semester.</b></p>			

## Second Year-Semester-IV

Semester-IV			
<u>Major Subjects</u>	Credits		
	6	<b>Major Paper-I (Geographical Thought)</b>	<p><b>Geographical Thought</b></p> <p><b>Unit-I</b> Definition, nature and scope of Geography, Branches and sub branches of Geography ; Basic concepts of Geography</p> <p><b>Unit-II</b> Contribution of Greek and Roman Geographers-Ptolemy and Strabo. Arab Geographers</p> <p><b>Unit-III</b> Contribution of Geographical knowledge in ancient, medieval and modern India; Renaissance in Geography, Discoveries and inventions; Contribution of Varenius and Immanuel Kant</p> <p><b>Unit-IV</b> German and French School of Geography: Humboldt ,Ritter,Ratzel, Hattner, Hartshorne ,Blache and Brunhes; Anglo-American School of Geography- Davis, EC. Semple, Huntington, Isaiah Bowman, Mackinder, Herbertson, and Stamp.</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Dickenson. R. E. – The Makers of Modern Geography, Rutledge and Kegan London</li> <li>2. Freeman . T.W. – A Hundred Years of Geography, London.</li> <li>3. Jones and Martin – All Possible World – A History of Geographical Idias. Odessey, Indianapolis (USA)</li> <li>4. Halt Jensen A. – Geography- Its History and Concepts , Harper and Raw London.</li> <li>5. Dixit R.D. – Geographical Thought – A Contextual History of Ideas .Prentice Hall, New Delhi</li> <li>6. Kaushik S.D. – Bhaugolik Vichardharayen (Hindi) – Sahitya Bhawan Pub. Agra.</li> <li>7. Hussain Majid - Evolution of Geographical Thought (English And Hindi )Rawat Publication jaipur.</li> <li>8. Taylor. G. Geography in Twentieth Century; London.</li> </ol>

		9. Jagdish Singh - <i>Bhaugolik Chintan ka Kram vikas (Hindi) Gyanodaya , Gorakhpur</i>
6	<b>Major Paper-I (Practical Geography)</b>	<p><b>Practical Geography</b></p> <p>a. Statistical Diagrams- Compound and Multiple Bar Diagram; Ring or Circle diagram; Simple and Polyline graph, Hyther - graph and Climograph.</p> <p>b. Geological Map :Identification of rock outcrops, bedding panes, determinants of dip and thickness- simple and folded .</p> <p><b>Recommended Books</b></p> <p>1. Dent B. D., 1999: <i>Cartography: Thematic Map Design</i>, (Vol. 1), McGraw Hill.</p> <p>2. Gupta K. K and Tyagi V. C., 1992: <i>Working with Maps</i>, Survey of India, DST, NewDelhi.</p> <p>3. Mishra R. P. and Ramesh A., 1989: <i>Fundamentals of Cartography</i>, Concept Publishing.</p> <p>4. Robinson A., 1953: <i>Elements of Cartography</i>, John Wiley.</p> <p>5. Sharma J. P., 2010: <i>Prayogic Bhugol</i>, Rastogi Publishers.</p> <p>6. Singh R. L. and Singh R. P. B., 1999: <i>Elements of Practical Geography</i>, Kalyani Publishers</p> <p>7. Singh R. L., 1998: <i>Prayogic Bhoogol Rooprekha</i>, Kalyani Publications.</p> <p>8. Steers J. A., 1965: <i>An Introduction to the Study of Map Projections</i>, University of London.</p>
<b><u>Additional Course</u></b>	4	<p><b>Additional Course (Multidisciplinary)-II</b></p> <p><b>Geography of India</b></p> <p><b>Unit I</b></p> <p>Minerals and power resources (iron ore, and coal); Multipurpose projects: Damodar Valley, and Bhakhra Nangal; Irrigation; Major industries (iron and steel, cotton textile, and sugar).</p> <p><b>Unit II</b></p> <p>Meso-regions of India (Karnataka plateau, and chhota Nagpur plateau) and their characteristics;</p>



			<p>Transport and communication; Trade: composition and recent changes.</p> <p><b>Unit III</b> Economy – Agriculture (Rice, Wheat, Sugarcane, Tea, Cotton); Industries (Cotton Textile, Iron-Steel, Automobile); Modes of Transportation</p> <p><b>Unit IV</b> Uttarakhad Geographical Setting-Physical Setting(Relief, Drainage, Population Structure, Resource, Uttarakhand - Forest, Minerals ),Economy.</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Hussain M., 1992: <i>Geography of India</i>, Tata McGraw Hill Education.</li> <li>2. Mamoria C. B., 1980: <i>Economic and Commercial Geography of India</i>, Shiva Lal Agarwala.</li> <li>3. Miller F. P., Vandome A. F. and McBrewster J., 2009: <i>Geography of India: Indo-Gangetic Plain, Thar Desert, Major Rivers of India, Climate of India, Geology of India</i>, Alpha script Publishing.</li> <li>4. Nag P. and Sengupta S., 1992: <i>Geography of India</i>, Concept Publishing.</li> <li>5. Pichamuthu C. S., 1967: <i>Physical Geography of India</i>, National Book Trust.</li> <li>6. Sharma T. C. and Coutinho O., 1997: <i>Economic and Commercial Geography of India</i>, Vikas Publishing.</li> <li>7. Singh Gopal, 1976: <i>A Geography of India</i>, Atma Ram.</li> <li>8. Spate O. H. K. and Learmonth A. T. A., 1967: <i>India and Pakistan: A General and Regional Geography</i>, Methuen.</li> </ol>
<b>Skill Course</b>	<b>2</b>	<b>One Skill/Vocational Course-II</b>	<p><b>Regional Development and Planning with Special Reference to Uttarakhand</b></p> <ol style="list-style-type: none"> <li>A. 1 Definition, need and types of regional Planning.</li> <li>2. Delineation of Planning Region, Planning Regions of Uttarakhand</li> <li>B. Participatory, Micro Planning Survey Techniques and field study project report (Report</li> </ol>

			<p>of 30 Pages should have at least 5 Maps, 10 Photographs and 5 Tables)</p> <p><b>Recommended Books</b></p> <ol style="list-style-type: none"> <li>1. Blij H. J. De, 1971: <i>Geography: Regions and Concepts</i>, John Wiley and Sons.</li> <li>2. Claval P.1, 1998: <i>An Introduction to Regional Geography</i>, Blackwell Publishers, Oxford and Massachusetts.</li> <li>3. Friedmann J. and Alonso W. (1975): <i>Regional Policy - Readings in Theory and Applications</i>, MIT Press, Massachusetts.</li> <li>4. Gore C. G., 1984: <i>Regions in Question: Space, Development Theory and Regional Policy</i>, Methuen, London.</li> <li>5. Gore C. G., Köhler G., Reich U-P. and Ziesemer T., 1996: <i>Questioning Development; Essays on the Theory, Policies and Practice of Development Intervention</i>, Metropolis-Verlag, Marburg.</li> <li>6. Haynes J., 2008: <i>Development Studies</i>, Polity Short Introduction Series.</li> <li>7. Johnson E. A. J., 1970: <i>The Organization of Space in Developing Countries</i>, MIT Press, Massachusetts.</li> <li>8. Peet R., 1999: <i>Theories of Development</i>, The Guilford Press, New York.</li> <li>9. UNDP 2001-04: <i>Human Development Report</i>, Oxford University Press.</li> <li>10. World Bank 2001-05: <i>World Development Report</i>, Oxford University Press, New</li> </ol>
<b><u>IKS-1</u></b>	2	<b>1-Indian Knowledge System (National)-II</b>	<b>Compulsory for all U.G. students</b>
<b>Total</b>	<b>20 credits</b>		