

**Shri Ram Singh Dhoni Govt. Degree College Jainti, Almora**  
**Affiliate to K.U. Nainital /S.S.J.U, ALMORA**  
**DEPARTMENT OF GEOGRAPHY**

**GEOGRAPHY UNDER GRADUATE (B.A./B.Sc.) PROGRAMME (ANNUAL MODE)**  
**BA/BSc Course Structure-2019 Onwards**

**Course Outcome** - Geography as a course can have a variety of outcomes depending on the specific goals and objectives of the course. Some of the common outcomes of a geography course can include:

Understanding the world: A geography course can help students understand the world, its physical and human features, its different regions, and how they are interconnected.

**Subject Outcome** - Geography as a subject can have a wide range of outcomes, depending on the level of study and the specific goals of the course. Some of the key outcomes that can be expected from studying geography include:

Enhancing environmental awareness: Geography helps students understand the natural environment, its processes, and the impact of human activity on the environment.

**PROGRAMME SPECIFIC OUTCOMES** - Improving spatial skills: Geography courses often involve the use of maps, graphs, and other visual aids, which can help students develop their spatial skills and improve their ability to read and interpret spatial information.

Understanding cultural and environmental diversity: Geography courses often expose students to different cultures, languages, and environmental conditions around the world, helping them develop an appreciation for cultural and environmental diversity.

**Preparing for a variety of careers: A geography course can prepare students for careers in fields such as environmental science, urban planning, international relations, and business, among others.**

**GEOGRAPHY UNDER GRADUATE (B.A./B.Sc.) PROGRAMME (ANNUAL MODE)**  
**BA/BSc Course Structure-2019 Onwards**

Year	Name of Paper			Marks
I	THEORY	(GUGP-101)	<b>Paper I</b> -Physical Geography	50
		GUGP-102)	<b>Paper II</b> - Geography Of Asia (Excluding India)	50
	PRACTICAL	(GUGP - P-103)	<b>Practical</b> - (Basic Cartographic Techniques And Map Reading)	50
II	THEORY	GUGP-201)	<b>Paper I</b> - Human Geography	50
		GUGP-202)	<b>Paper II</b> - Geography Of India	50
	PRACTICAL	GUGP- P-203	<b>Practical</b> - (Surveying And Cartographic Representation Of Geographical Data)	50
III	THEORY	(GUGP-301)	<b>Paper I</b> Evolution Of Geographical Thoughts	50
		GUGP-302)	<b>Paper II</b> -Economic geography	50
	PRACTICAL	GUGP- P-303	<b>Practical</b> (Statistical, Rs & GIS Techniques, And Map Projections)	50

**Theory 180 day lecture each paper 90 day.**  
**180 day practical work.**

**B.A/B.Sc. First Year**  
**B.A/B.Sc. First Year**  
**PHYSICAL GEOGRAPHY**  
**Paper code:(GUGP-101)**  
**First Paper**

Marks: BA/BSc 50

Time: 03 hours

UNIT	TOPIC	TOTAL LITUCHER
Unit - I	Meaning, Scope and Branches of Physical Geography, Origin of the earth, Theories of Laplace, Chamberlin, James Jeans, Jeffreys, and Hoyle & Lyttleton, Interior of the earth,.	18
Unit - II	Origin of continents and ocean basins: Isostasy, Earth movements, Endogenetic forces, Major landforms: Mountains, Plateau and Plains, Gradational processes, Weathering and Erosion, normal cycle of erosion, River, Arid, Glacial Marine and Karst topographies, Vulcanicity and Earthquakes,	18
Unit - III	Rocks: origin and classification, Soil as a basic component of environment characteristics and significance . Processes and factors of soil formation.	18
Unit - IV	Composition and structure of atmosphere, Insolation, Vertical and Horizontal Distribution of temperature, Pressure and pressure belts, Winds: Planetary, Periodic and Local. Humidity, clouds, and precipitation, Cyclones and Anticyclones.	18
Unit - IV	Ocean bottom topography, Ocean deposits, Salinity, Temperature, Ocean currents, Tides and Coral reefs.	18

**Books Recommended:**

1. Singh, S (2003) Physical Geography (English and Hindi Editions) Prayag Putak Bhawan, Allahabad  
 Singh, M.B. (2001) Bhoutik Bhoogol, Tara Book Agency, Varanasi.

**B.A/B.Sc. First Year**

**Geography of Asia (Excluding India)  
Paper code:(GUGP-102)  
Second Paper**

Marks: BA/BSc 50

Time: 03 hours

<b>UNIT</b>	<b>TOPIC</b>	<b>TOTAL LITUCHER</b>
Unit - I	Asia in the context of the world (geo-political significance, location and extent), Physiographic Divisions of Asia, Drainage, Climate, Natural vegetation, Soils.	18
Unit - II	Distribution and density of Population, Important Urban Center in Asia, Population growth rate, and Population Problems of Asia	18
Unit - III	Agriculture and agricultural regions, Distribution and Production of Rice, Wheat, Rubber, Tea in Asia	18
Unit - IV	Principal minerals, Industries and industrial regions, Transport, Sources of power, Factors affecting the localization of major industries in the Asia	18
Unit - V	Regions and countries: Regional Geography of S.W. Asia, S.E. Asia, South Asia, & South East Asia. Detailed study of Japan, China, Pakistan, Indonesia, Iran and Israel	18

**Books Recommended:**

1. Geography of Asia chaturbhuj memoria, Sahitya bhawan Publication

**B.A/B.Sc. First Year  
PRACTICAL  
(Basic Cartographic Techniques and Map Reading)  
Paper code:(GUGP-P-103)**

Marks: BA/BSc 50  
hours

Time: 04

1 Lab.Work           BA/BSc 30  
2 Record work       BA/BSc 10  
3 Viva voce           BA/BSc 10

UNIT	TOPIC	TOTAL LITUCHER
Unit-I	Meaning, importance and types of Scale, Conversion of Scale, Construction of Plain, Comparative and Diagonal Scale. Methods of enlargement and reduction of maps.	36
Unit-II	Definition, nature and scope of cartography, Globe and maps, Types and uses of maps, Elements of map reading	36
Unit-III	Cartographic representation of relief: Hachures, Contours, Formline, Spothight, Bench mark, Trig point, Layer tint; Interpolation of contours.	36
Unit-IV	Indian topographical map system: Their classification and types. Interpretation of topographical maps; drainage, land use, settlement and transportation network.	36
Unit-V	Indian weather maps: Observatory Interpretation and preparation of weather report, Meteorological instruments; Barometer, Thermometer (Minimum, Maximum, Dry and Wet bulb), Rain gauge, Wind vane and Anemometer	36

Recommended Books

1. Sharma, J.P. (2001) Prayogik Bhoogaolk. Rastogi Pub, Meerut.

**B.A/B.Sc. Second  
HUMAN GEOGRAPHY  
Paper code:(GUGP-201)  
First Paper**

Marks BA/BSc 50

Time: 03 hours

UNIT	TOPIC	TOTAL LITUCHER
Unit - I	Definition and scope of Human Geography; human versus physical geography; branches of Human Geography; Development of Human Geography; Contributions of German and French Geographers.	18
Unit - II	Approaches: determinism, possibilism, human ecology and positivism; Schools: ecology, landscape, locational, welfare and humanistic	18
Unit - III	Elements of environment; physical and human environment; constraints and opportunities of the environment; impact of environment on man; impact of man on environment; environmental problems.	18
Unit - IV	Evolution of man: Classification of races, Characteristics of races and their broad distribution, Human adaptation to the environment: Eskimo, Bushman, and Masai. Major tribes of India; their habitat, economy and culture with special reference to Nagas, Bhils, Santhal, Gaddi, Bhotia, and Tharu.	18
Unit- V	Rural settlements: Types and pattern, Urban settlement: Evolution and classification, Rural houses in India, Cultural regions of the world.	18

**Books Recommended:**

1. Hussain, M (1994) Human Geography. Rawat Pub, Jaipur.
2. Kaushik, S D & Sharma, AK (1996) Principles of Human Geography (in Hindi), Rastogi Pub, Meerut.

**B.A/B.Sc. Second  
GEOGRAPHY OF INDIA  
Paper code:(GUGP-202)  
Second Paper**

Marks BA/BSc 50

Time: 03 hours

<b>UNIT</b>	<b>TOPIC</b>	<b>TOTAL LITUCHER</b>
Unit - I	India- A subcontinent, Physical features, Geologic structure, Drainagesystem, Climate, Natural vegetation, Soils.	18
Unit - II	Population (density, distribution and growth), Transport, Multipurposeprojects, Foreign trade, Regional development and planning	18
Unit - III	Agriculture, Crops (Food, plantation and commercial), Agriculture production, Agriculture regions, Irrigation, Livestock raising andFishery.	18
Unit - IV	Transport: Roads and railways, air transport and pipe transport	18
Unit-V	Industries (Metallurgical, Textile, Engineering, Chemical,Food,Leather, Forest based) Industrial regions, Power and Minerals.	18

**Books Recommended:**

1. Hussain,Majid (2015) Geography of India,Mc Graw Hill Education,NewDelhi.

**B.A/B.Sc. Second  
PRACTICAL  
(Surveying and Cartographic Representation of Geographical  
Data)  
Paper code:(GUGP-P-203)**

Marks BA/BSc 50  
hours

Time: 03

1 Lab. Work	BA/BSc 30
4 Record work	BA/BSc 10
5 Viva voce	BA/BSc 10

<b>UNIT</b>	<b>TOPIC</b>	<b>TOTAL LITUCHER</b>
Unit - I	Fundamentals of Surveying: Objects, Types of Surveying Classification.	36
Unit - II	Plane Table Surveying: Radiation, Intersection, Open Traverse,.	36
Unit - III	Surveying by Prismatic Compass: Close Traverse, Open Traverse, and Correction of bearing.	36
Unit - IV	Measurement of height and depth by Indian Pattern Clinometer. .Basics of GPS, Application of GPS	36
Unit - V	Cartographic representation of geographical data by (a) dot method (b)proportional sphere method and circle method. Representation of economic data: Agriculture landuse, production and industrial data, Representation of population data: Growth, distribution.	36

Books Recommended:

1. Sharma, J.P. (2001) Prayogik Bhoogaolk. Rastogi Pub, Meerut.



**B.A/B.Sc. Third Year**  
**EVOLUTION OF GEOGRAPHICAL THOUGHTS**  
**Paper code:(GUGP-301)**  
**First Paper**

Marks: BA/BSc 50

Time: 03 hours

UNIT	TOPIC	TOTAL LITUCHER
Unit - I	Definition and purpose of Geography, Geography as Science , The basic concepts of Geography, Techniques and tools in Geography, Different branches of Geography.	18
Unit - II	Geography in classical times: Greek and Roman Geographers, Contribution by Arab Geographers,	18
Unit - III	Renaissance, Eighteenth century Geography, Development of Geographical Thought in India: Ancient and Modern.	18
Unit - IV	Formulation of scientific Geography, Schools of thoughts; German, French,British, American and former Soviet Union. Environmental determinism, possibilism, Neo-determinism and probabilism	18
Unit - V	Dualism in Geography, Dichotomism of scientific and regional Geography; Unity in Geography, Concept of Regions and regionalization, Quantitative Geography, Recent Trends in Geography.	18

Books Recommended:

1. Dikshit,R.D.(ed):TheArtsandscienceofGeographyintegratedreadings,P.H.I, New Delhi.
2. Husain,M.(1984) EvaluationofGeographicalthought,RawatPublication,Jaipur.

**B.A/B.Sc. Third Year  
ECONOMIC GEOGRAPHY  
Paper code:(GUGP-302)  
Second Paper**

Marks: BA/BSc 50

Time: 03 hours

UNIT	TOPIC	TOTAL LITUCHER
Unit - I	Meaning, aim and scope of economic geography, Resources: Meaning, classification, conservation and concepts, Economic landscapes.	18
Unit - II	Primary production, Vegetation & forest economy, Soil resources, Mineral resources (Iron ore and bauxite), Power resources (Coal, Petroleum and Hydro- electricity, Resource conservation	18
Unit - III	Agricultural regions (Derwent Whittlesey), Principle crops: Wheat, paddy, sugarcane and tea, Theory of agriculture location (Vonthunen),	18
Unit - IV	Major industries: Iron & steel, textiles, petro-chemical and sugar, Theory of industrial location (Weber) and industrial regions	18
Unit - V	World transportation, Major trans-continental railways, sea and air routes, International trade, patterns and trends, Major trade blocks: NAFTA, EEC, ASEAN, Globalization and developing countries.	18

Books Recommended:

1. Gautam, A(2006)ArthikBhugolkeMoolTatve.ShardaPustakBhawan, Allahabad

**B.A/B.Sc. Third Year  
PRACTICAL  
(Statistical, RS & GIS Techniques and Map Projections)  
Paper code:(GUGP-P-303)**

.Marks: BA/BSc 50

Time: 04hours

1 Lab.work	BA/BSc 30
2 Survey Camp	BA/BSc 10
2 Record work	BA/BSc 05
3 Viva voce	BA/BSc 05

UNIT	TOPIC	TOTAL LITUCHER
Unit - I	Types of data, Collection of data, Methods of sampling, Measures of central tendency; Mean, Mode, Median, Measures of dispersion; Mean, Quartile and Standard deviation, Correlation.	36
Unit - II	Definition, Necessity and Classification of map projection, Construction of map projections: Simple conical projection with one and two standard parallels, Bonne's projection.	36
Unit - III	Cylindrical projections: Equidistant and Equal area cylindrical projections, Mercator's. Zenithal Projections: Polar zenithal equidistant, Equatorial zenithal equidistant, Polar zenithal equal-area, Equatorial zenithal equal area.	36
Unit - IV	Remote sensing: Components of remote sensing, Remote sensing systems, Platform and sensors; Elements of image interpretation; Image processing techniques: Visual and digital, Geometric & supervised and unsupervised.	36
Unit - V	Datum and Georeferencing, Geographic Data Types; Spatial and Non-spatial data;, Principal Functions of GIS, Applications of GIS	36

\*\* Survey Camp denotes 'field survey' which will be carried out by the students of B.A./ B.Sc. 3<sup>rd</sup> Year. The area of field survey must be selected by the Department and conducted in any geographical region.

Books Recommended:

1. Sharma, J.P. (2001) Prayogik Bhoogaol. Rastogi Pub, Meerut.

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S.R.S.D.G.D.C. Jainti Almora

**B.A/B.Sc. Third Year**