## V.B. S. Purvanchal University, Jaunpur

### Syllabus

#### B.A./B.Sc.

##### Geography

#### B.A./B.Sc.-1

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Name of the Papers</th>
<th>Theoretical/Practical/Viva-voce/Assignment</th>
<th>Maximum Marks</th>
<th>Duration (hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Physical Geography</td>
<td>Theoretical</td>
<td>75</td>
<td>3.00</td>
</tr>
<tr>
<td>2.</td>
<td>Human Geography</td>
<td>Theoretical</td>
<td>75</td>
<td>---</td>
</tr>
<tr>
<td>3.</td>
<td>Practical</td>
<td>Practical</td>
<td>50</td>
<td>---</td>
</tr>
</tbody>
</table>

Total Marks = 200

#### B. A./B.Sc.-2

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Name of the Paper</th>
<th>Theoretical/Practical/Viva-voce/Assignment</th>
<th>Maximum Marks</th>
<th>Duration hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Economic Geography</td>
<td>Theoretical</td>
<td>75</td>
<td>3.00</td>
</tr>
<tr>
<td>2.</td>
<td>Geography of India</td>
<td>Theoretical</td>
<td>75</td>
<td>3.00</td>
</tr>
<tr>
<td>3.</td>
<td>Practical</td>
<td>Practical</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

Total Marks = 200

#### B. A./B.Sc.-3

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Name of the Paper</th>
<th>Theoretical/Practical/Viva-voce/Assignment</th>
<th>Maximum Marks</th>
<th>Duration hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Geographical Thought</td>
<td>Theoretical</td>
<td>75</td>
<td>3.00</td>
</tr>
<tr>
<td>2.</td>
<td>Environmental Studies</td>
<td>Theoretical</td>
<td>75</td>
<td>3.00</td>
</tr>
<tr>
<td>3.</td>
<td>Regional studies of any one of the following regions (A) South West Asia (B) South East Asia (C) Far East Asia</td>
<td>Theoretical</td>
<td>75</td>
<td>3.00</td>
</tr>
</tbody>
</table>

4. Practical

   1. Practical-Field work
   2. Study Tour
   3. Viva-voce & Sessional Records

Total Marks = 300

(Include total marks of all three points)
Note:- The practical examination in each paper should be held in the presence of two examiners, one internal and one external.

- The Question papers are divided into three sections:

  Section A: Ten very short answer questions, based on entire course. Each question must be answered in about 50 words. (10 x 1.5 = 15 Marks)

  Section B: Five short answer questions. Each question must be answered in about 200 words. (5 x 8 = 40 Marks)

  Section C: This section will have Five long answer questions. The candidates will have to answer two questions. Each question must be answered in about 500 words. (2 x 10 = 20 Marks)

B.A./B.Sc.-1
Geography
Paper-I
Physical Geography

M.M. : 75 Duration:- 3.00 hours

Unit-I

Unit-II
Rocks—their origin, classification and characteristics, Earth movements-Folding, Faulting and Warpping, Weathering and Erosion, Cycle of Erosion by Davis and Penck, Drainage Pattern, Evolution of Land forms by River, Wind, Glacier and Underground water.

Unit-III
Atmosphere: Composition and Structure of atmosphere, Insolation, Horizontal and Vertical distribution of temperature, Atmospheric pressure and winds, Airmasses and Fronts, cyclones and anti-cyclones, Humidity, precipitation and rainfall types, Major climate types- Equatorial, Monsoon, Mediterranean, West European and Hot Desert.
Unit-IV

Unit-V
Biosphere: Components of Biosphere, Plants and animals evolution, dispersal and distribution: Biotic succession, Biome types and Zoo-geographical regions of the world, Biosphere as a global Eco-System.

Books Recommended
3. Trewartha, G.T. Elements of Physical Geography.
6. Singh, Savindra : Physical Geography (Eng./Hindi)
7. Lal, D.S. : Climatology (Eng./Hindi)
8. Singh, J. and Singh, K.N. Bhaikut Bhoogol (Hindi)
9. Agarwal, K.M.L., Bhaikut Bhoogol (Hindi)
11. Upadhyay D.P. & R.A. Singh : Climatology and Oceanography (Hindi), Vasundhara Prakashan, Gorakhpur

B.A./B.Sc.-I
Geography
Paper-II
Human Geography

Unit-I
Concept and Nature: Meaning, Scope and Development of Human Geography, Man and Environment relationship-Determinism, Possibilism, Neodeterminism, Probabilism, Basic principles- Principle of Activity or Change, Principle of Terrestrial Unity or whole.
Unit-II

**Habitation (Population and Settlement)**

Distribution of population and world pattern, global migration- causes and consequences, concept of over population and under population.

Human Settlements: Origin, types (Rural-Urban) characteristics, size and distribution, House types and their distribution with special reference to India.

Unit-III


Unit-IV

**Society and Culture**: Evolution of man (Australopithecus, Homo Erectus, Homosapians, Man’s spread over the earth during the Pleistocene) Cultural Diffusion, Cultural realms, World Human Races-Classification, Characteristics and Distribution.

Unit-V

**Population Tribes**: Some typical modes of life of world Tribes-Eskimos, Kirghiz, Bushman, Masai, Semang and Pygmies.

Habitat, Economy and Society of Indian Tribes-Bhotias, Gaddis, Tharus, Bhil, Gond, Santhal, Nagas (with reference to their present-days transformation).

**Books Recommended**

1. Spencer; J.E. and Thomas, W.L. Introducing Cultural Geography.
2. Thomas, W.L. (ed.) Man’s Role in Changing the Face of the Earth.
3. Principles of Human Geography
5. Forde, C.D., Habitat, Economy and Society.
7. Kaushik, S.D., Manav Bhoogol (Hindi)
9. Prasad, Gayatri, Sanskritik Bhoogol (Hindi)
10. Singh, J., Manav Bhoogol (Hindi)
11. Bansal, S.C. Manav Bhoogol (Hindi)
14. Thakur, B.S., Manav Bhoogol.
15. Jordon, T.G. and Lawntre, The Human Mosaic
16. Hira Lal, Jansankhya Bhoogol

B.A./B.Sc.-1
Geography
Practicals

Lab Work
Unit-I

The nature and scope of Cartography, Scales- Construction of Comparative, Diagonal and Vernier Scales, Enlargement and Reduction of maps, Calculation of area of maps of different shapes by graphical and arithmetical methods.

Unit-II

Map Projections : General Principles : Classification, properties and choice of map projections – merits and demerits, Construction of Cylindrical Equal area, Mercator’s, Conical with two Standard Parallels, Bonne’s, Polyconic, Gnomonic Polar Zenithal and Stereographic Polar Zenithal projections.

Unit-III

Methods of showing relief: Hachures, shading, contours & layertints ; representation of different landforms by contours. Drawing of profiles- cross & long profiles-super imposed, composite & projected profiles. Slopes & gradients.

Unit-IV

Topographical Maps
Introduction : Expansion and Indexing : Coverage, Scale and Topo Symbols, Study and Interpretation of One Inch/1:50,000 Survey of India Toposheets – representing Plain, Plateau and Mountain areas under the following heads-Relief, Drainage Characteristics, Land-use, Settlement types and patterns, and means of Transport and communication with special reference to recognition of Land forms based on contours and profiles drawn on them.
**Division of marks**

- Lab Work-One question from each unit with internal. Choice (Duration–3.00 Hours) = 40
- Viva-Voce & sessional records=10

**Books Recommended**

5. Singh, L.R. & Singh, R.N. : Map work and Practical Geography (Eng./Hindi)
6. Sharma, J.P. : Practical Geography (Hindi)
7. Lal Hira : Prayogatmak Bhoogol Ke Adhar (Hindi)

**B.A./B.Sc.-2**

**Geography**

**Paper-I**

**Economic Geography**

M.M. : 75

**Duration:- 3.00 hours**

**Unit-I**

Nature, Scope and development of Economic Geography, Major concepts--Economic landscape, Stages of economic development, typology of economic activities (Primary, Secondary, tertiary, quarternary), Resource-concept and classification.

**Unit-II**

Soil and major soil types, Forest types and their products : Agricultural Land use and Locational Theoretical by Von Thunen; Distribution, production and international trade of principal crops-rice, wheat, sugarcane, cotton, tea, coffee and rubber, Agricultural regions of the world by Whittlesey.

**Unit-III**

Marine resources and Aquaculture-Major Fishing Areas, their production and trade. Nature of Occurrence, distribution, production and trade of minerals-Iron ore, Manganese, Bauxite, Copper, Mica and Gold (in major producing countries).
Power Resources Production and utilization of coal, Petroleum, Hydroelectricity and atomic energy.

Unit-IV

Unit-V
Means and modes of transport-major transcontinental railways, International Air and Sea routes, inland water ways (Panama and Suez Canals); Changing pattern of international Trades, Major Trade organizations and trade blocks-COMECON, EFTA, ASEAN, NAFTA, OPEC-their objectives and trade relations.

Books Recommended
7. Singh, K.N. & Singh, J., Arthik Bhoogol ke Mool Tatva (Hindi)
8. Jain, P. Arthik Bhoogol ki Samiksha (Hindi)

B.A./B.Sc.-2
Geography
Paper-II
Geography of India

M.M. : 75 Duration:- 3.00 hours

Unit-I
India in the context of Asia and the world, Structure, Relief and Drainage System; Major Physiographic regions of India; The Indian Monsoon-origin and
characteristics, effect of El Nino, La Nina, climatic division, Soil types and conservation.

Unit-II

Forest resources- their utilization and conservation; Power resources (Water, Coal, Mineral oil and Atomic) and Mineral resources (Iron ore, Bauxite, Mica, Manganese), their reserve, distribution, production, trade and conservation. River Valley Projects; Tehri dam & Narmada Valley.

Unit-III

Indian Economy : Agriculture-main characteristics and problems of Indian agriculture; Irrigation, mechanization and Green Revolution; post revolution scenario-recent trends; Major Agricultural regions. Industries – Locational factors: development and spatial pattern of major industries (Iron and Steel, Textiles, Cement, Sugar, Paper, Oil Refinery and Fertilizers), Major Industrial regions/complexes.

Unit-IV

Population-growth, distribution and density, demographic and occupational structure, Literacy, Urbanization with special reference to post-independence period, population problems. Transport and Trade- Development of Transport Net-work, Railway Zones, Road development and Air routes; Foreign trade-salient features, recent trends and trade direction, Major ports.

Unit-V

Regional development & disparities after independence, Major issues and planning of some problem areas- Flood prone areas, Drought prone areas and Tribal areas.

Detailed geographical study of Uttar Pradesh.

Books Recommended

4. Mitra Ashok, Levels of Economic Development of India.
7. Verma, R.V. Geography of India (Hindi)
8. Bansal, S.C., Geography of India (Hindi)
B.A./B.Sc.-2
Geography
Practicals

Lab Work

Unit-I

Statistical Analysis
(ii) Graphical Representation of Statistical Data-Histogram, Polygon, Frequency Curve, Scatter Diagram.

Unit-II

Cartographic Representation of Statistical Data
i. Graphs : Band Graph, Hythergraph, Climograph.
ii. Diagrams : Compound Bar, Wheel, Rectangle, Circle
iii. Distribution Maps Using Dots, Isopleth and Choropleth methods.

Unit-III

Weather Maps : Use of weather instruments and weather symbols (Indian)
Study and Interpretation of Indian daily Weather maps/reports especially of January, March, July and October, Weather forecasting.

Unit-IV

Geological Maps Identification of rock-outcrops, bedding planes, Drawing cross-section and determination of dip and bed thickness-simple Uniclinal and folded.

Division of Marks

a) Lab Work :
   One question from each unit with internal choice (Duration 3.00 hours) = 40.

b) Viva-Voce & Sessional Records =10

Books Recommended

2. Robinson, A.H., Elements of Cartography.
6. Singh, L.R. & Singh, R.N. Map work and practical Geography (Eng./Hindi)
7. Sharma, J.P. Prayogatmak Bhoogol Ki Rooprekha (Hindi)
8. Hira Lal, Prayogatmak Bhoogol Ke Adhar (Hindi)
9. Singh, J. et. al. Bhaumikiya manchitro ki Rooprekha (Hindi)
10. Lal, Hira, Matratmak Bhoogol (Hindi)

B.A./B.Sc.-3
Geography
Paper-I

GEOGRAPHICAL THOUGHT

M.M. : 75 Duration:- 3.00 hours

Unit-I

The field of geography; its place in the classification of sciences; Geography as a Science. Selected concepts of geography-distributions, relationships, interactions, area differentiation and spatial organization.

Unit-II

Dualisms in geography; systematic & Regional geography; physical & human geography. Systematic geography & its relation with systematic sciences and with regional geography. The myth and reality about dualisms.

Unit-III

Geography in ancient period–Contribution of Indian, Greek & Roman geographers, Geography in middleage-Arab geographers, Renaissance period in Europe. Renowned travellers and their geographical discoveries.

Unit-IV

German school of thought–Kant, Humboldt, Ritter, Richthofen, Ratzel, Hettner, French school of thought – Contribution of Blache & Brunhes.

Unit-V

Soviet geographers, American school–Contribution of Davis, Sample, Huntington & Carl’O’ sauer, British school–Contribution of Machiner, Herbertson & L.D. Stamp.
Books Recommended


B.A./B.Sc.-3
Geography
Paper-II

ENVIRONMENTAL STUDIES

M.M. : 75 Duration:- 3.00 hours

Unit-I

Geography as a study of Environment, Concepts & components of environment, Development of environmental studies. Approaches to environmental studies, concept of ecology and ecosystem. Man-Environment relationship, Agriculture and industrial practices, science, technology and environment.

Unit-II

The problems and causes of environmental degradation, Deforestation, soil erosion, soil exhaustion, Desertification, Air pollution, water pollution Disposal of solid waste Population pressure.

Unit-III

Environmental management: Environmental education, preservation of ecological balance at local, regional and National level, Major environmental policies and programmes.
Unit-IV
Sample studies-Ganga Action Plan, Tiger project, Tehri dam & Narmada Valley project.

Unit-V
Emerging environmental issues: population explosion, food security, global warming, bio-diversity and its conservation, sustainable development.

Books Recommended
1. Savindra Singh, Paryavaran Bhoogol (Hindi/Eng.)
3. P.S.Negi, Eco-Development and Environmental Geography (Hindi)
5. V.K.Srivastava, Environment and Ecology (Hindi)

B.A./B.Sc.-3
Geography
Paper-III
Regional Studies of anyone of the following Regions

(A) South West Asia

Unit-I
Region as a geographical entity and as a component of global system. Basis of regionalisation/ grouping of countries- Geographical, political, historical, cultural, etc.

Unit-II
Structure, Relief, climate and climatic regions, Vegetation, Irrigation, Power and Mineral resources.

Unit-III
Unit-IV

Strategic importance of the region, Suez Canal, Geographical background of the modern problems.

Unit-V

Detailed regional study of Turkey, Iraq, Isreal and Saudi Arabia.

Books Recommended

1. W.B.Fisher : The Middle East
2. Cressey : Cross-Road
3. East and Spate : Changing Map of Asia
4. N.S.Ginsburg : Pattern of Asia
6. J.Jones : Turkey
8. Vishwanath Tiwari – Asia Ka Bhaugolik Swaroop
9. Mahesh Narain Nigam and B.L. Garg - Paschimi Asia

(B) South East Asia

Unit-I

Region as a geographical entity and as a component of global system. Basis of regionalisation/grouping of countries, Geographical, political, historical, cultural etc.

Unit-II

Structure, Relief, Climate and climatic regions, Vegetation, Irrigation power and Mineral resources.

Unit-III


Unit-IV

Strategic importance of the region, Geographical background of the modern problems.

Unit-V

Detailed regional study of Myanmar, Thailand, Malaysia and Indonesia.

Books Recommended

1. Dudly Stamp - Asia.
2. Fisher, Charles, A - South East Asia
3. Dobby - South East Asia
4. Dr. Jagdish Singh - Monsoon Asia
5. Dr. V.K.Srivastava - Asia
6. Vishwanath Tiwari - Asia Ka Bhaugolik Swaroop

(C) Far East Asia

Unit-I
Region as a geographical entity and as a component of global system, Basis of regionalisation/ grouping of countries geographical, political, historical, cultural, etc.

Unit-II
Structure, Relief, climate and climatic regions, vegetation, Irrigation, Power and Mineral resources.

Unit-III

Unit-IV
Strategic importance of the region, Geographical background of the modern problems.

Unit-V
Detailed Regional Study of China and Japan.

Books Recommended
1. Dr. M.N. Nigam- Monsoon Asia
2. Vishwanath Tiwari - Asia Ka Bhaugolik Swaroop
3. Trewartha; G.T.-Japan.

B.A./B.Sc.-3
Geography
Practicals

A- Field Work

Unit-I
Plane table Surveying: Radiation, Inter section & Resection method, two point problem and three Point problem. = 15

Unit-II
Surveying by Prismatic Compass, open traverse, Close traverse, Elimination of error, Bowdich Method, Axis Method. = 15

Unit-III

Dumpy Level Survey (Levelling) = 15

B- Field Study Report : Study Tour = 15

C- Viva-Voce & Sessional Records = 15

Division of Marks

(A) Field work (One exercise from each unit, Duration four hours) = 15+15+15 = 45

(B) Study Tour Report = 15

(C) Viva-voce & Sessional Records = 15

➢ Note: The T.A. and D.A. for the escorts of the study tour will be paid by the concerning college.

Books Recommended