Physical Geography - I (Lithosphere)
Paper Code: GEO 101 (Theory - Paper I)

Section-A
Nature and scope of physical geography, main division of physical geography, Solar system, Geological Time Scale, Origin of the Earth- Introduction to various theories, View on Boson.

Section-B
Interior of the Earth, Theory of Isostasy, Origin of continents and oceans-Theory of Continental Drift (Wegener’s Drift theory); Introduction of Plate tectonics, Sea-floor spreading,

Section-C

Section-D

Geography of Rajasthan-1 (Physical and Cultural Aspects)
Paper Code: GEO 102 (Theory - Paper II)

Section-A

Section-B

Section-C
Factors affecting population, Growth, Distribution and Density of population in Rajasthan, qualitative and quantitative aspects of population, Schedule tribe and Schedule cast, Population Problems and appraise. Introduction, factors affecting the Site and Situation of settlements, types of settlements. Rural and Urban settlements and their pattern. Building materials

Section-D
Tribes of Rajasthan: Meena, Bhils, Garasia, their problems, Programmes for their development. Regional planning approach-Regional developments, developed regions, schemes of development, problems.
Essential Readings:

Paper-I

Sinha, Savindra : Physical Geography, Prayag Pustak Bhawan, Allahabad.
Lal, D.S. : Physical Geography, Sharda Pustak Bhawan, Allahabad.
Bergman : Introduction to Geography, Person Education.

Paper-II

Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Jaipur.
Mishra, V.C. : Geography of Rajasthan, NBT, Delhi.
Sharma, B.E. : Rajasthan ka Bhugol, Kolege Book Dr.hop, Jodhpur.
B.A./B.Sc. Part I
B.A./B.Sc. Geography, Semester-1st

Practical
Paper Code: GEO 103 (Practical – Paper I)

Scheme:

Max marks:

For Science – 75

45 ESE

30 CIA

For Arts – 60

36 ESE

24 CIA

Science – 21 Marks

1. Written Paper on Lab work (03 hours)

Arts - 18 Marks

Science – 10 (6 + 4)

2. Record work and Viva-Voce

Arts - 08 (5 + 3)

Science – 14 (9 + 5)

3. Field Survey & Viva-Voce (03 hours)

Arts - 10 (7 + 3)

Scales: Definition and Types. Conversion of R.F into Statement and Vis-a-versa.
Construction of Plain, Comparative, Diagonal scale and Time scale. Find out scale on the map
Enlargement and reduction of maps, Manual techniques, Electronic techniques.

Representation of Relief: Methods of showing relief: Spot heights, Trig point, Bench Marks,
Hachures, Hill Shading, Contours

Contours: Study of contours of important landforms: Hill, Plateau, Gorge, Waterfall, Hanging valley,
U shaped valley, V shaped valley, Types of slopes, conical hill, Ridge with pass-col and Saddle Lake,
Cliff and caldera, Sea Cliff and escarpment. Simple meander and ox-bow lake, Spur and Cirque.

Profiles: Definition and Types, methods of drawing of a profile- strip method and perpendicular
method. Significance of Vertical exaggeration while drawing profiles of mountainous and plain areas.
Drawing of Serial profile: Superimposed, Composite, Traverse and Longitudinal profile.
### Essential Readings:

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Publisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sharma, J.P.</td>
<td>Practical Geography</td>
<td>Rastogi Publications, Meerut</td>
</tr>
<tr>
<td>Singh, L.R.</td>
<td>Fundamentals of Practical Geography</td>
<td>Sharda Pub. Allahabad</td>
</tr>
<tr>
<td>Sharma, S.R.</td>
<td>Practical Geography</td>
<td>College Book depot, Jaipur</td>
</tr>
<tr>
<td>Crampton, J.</td>
<td>Mapping</td>
<td>Black well, Publications</td>
</tr>
<tr>
<td>Singh, R. L.</td>
<td>Elements of Practical Geography</td>
<td>Students friends Allahabad</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Publisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>इन्द्रपाल एवं माथुर हेमशंकर</td>
<td>मानवित्र एवं प्रक्षेप, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर</td>
<td></td>
</tr>
<tr>
<td>अय्यर, एन.पी.</td>
<td>सर्वेक्षण, मध्यप्रदेश हिंदी ग्रंथ अकादमी, भोपाल</td>
<td></td>
</tr>
<tr>
<td>राव, बी.पी.</td>
<td>प्रायोगिक भूगोल, कसुन्दरा प्रकाशन, गोरखपुर</td>
<td></td>
</tr>
<tr>
<td>भारद्वाज, दिनेश चन्द्र</td>
<td>स्कूल आरेख, राजस्थान हिंदी ग्रंथ अकादमी, जयपुर</td>
<td></td>
</tr>
<tr>
<td>खुत्लर, डी.आर.</td>
<td>प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालनचर</td>
<td></td>
</tr>
<tr>
<td>जैन एवं मामोरिया</td>
<td>प्रयोगात्मक भूगोल एवं मानवित्राङ्कन, साहित्य भवन, आगरा</td>
<td></td>
</tr>
</tbody>
</table>
### B.A./B.Sc. Three-Year Semester Scheme outline 2014-15

#### B.A./B.Sc. Part I

**B.A./B.Sc. Geography, Semester-2nd**

<table>
<thead>
<tr>
<th>Science</th>
<th>Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part-A : 04 Ques.: Map (Comp.) 4x1 M.Each</td>
<td>Part-A : 04 Ques.: Map (Comp.) 4x1½ M.Each</td>
</tr>
<tr>
<td>=04M.</td>
<td>=05M.</td>
</tr>
<tr>
<td>Part-B : 10 Ques.: Short. Ans. Comp. 10x1 M.Each</td>
<td>Part-B : 10 Ques.: Short. Ans. Comp. 10x½ M.Each</td>
</tr>
<tr>
<td>=10M.</td>
<td>=05M.</td>
</tr>
<tr>
<td>Part-C : 04 Ques.: (01 Q. from each unit with Internal choice) 4x10M.Each=40M.</td>
<td>Part-C : 04 Ques.: (01 Q. from each unit with Internal choice) 4x10M.Each=40M.</td>
</tr>
<tr>
<td>Total Marks of End Semester Exam = 54M.</td>
<td>Total Marks of End Semester Exam = 50M.</td>
</tr>
<tr>
<td>Internal Assessment (CIA) = 21M.</td>
<td>Internal Assessment (CIA) = 20M.</td>
</tr>
<tr>
<td>Maximum Marks each Semester per paper = 75M.</td>
<td>Maximum Marks each Semester per paper = 70M.</td>
</tr>
<tr>
<td>Minimum Marks = 30M.</td>
<td>Minimum Marks = 28M.</td>
</tr>
</tbody>
</table>

---

### Physical Geography-II (Climatology and Oceanography)

**Paper Code: GEO 201 (Theory - Paper III)**

**Section-A**
Composition and Structure of Atmosphere, Insolation, Temperatures: world patterns- July and January, Horizontal and Vertical distribution of atmospheric temperature, Inversion of Temperature. Heat budget of the earth. And the atmosphere Atmospheric pressures and pressure belts of the world; Coriolis forces (concept and effects), Wind circulation; planetary and local winds; monsoons concepts and theories of the origin of monsoon , origin of Indian monsoon, jet streams; clouds, humidity, Types of Rainfall , Air masses.

**Section-B**
Adiabatic and non adiabatic(concepts), cyclones, anti-cyclones and associated weathers. types and distribution of precipitation; Koppen’s and Thornthwaite’s classification of world climate, concept of micro climatic changes,Global warming (related to glacial).

**Section-C**
Definition, nature and scope of Oceanography, Importance of study of Oceanography Hydrological cycle, marine resources, coral reefs. Ocean temperature.

**Section-D**
Bottom topography of the Atlantic, Indian and Pacific Oceans; Salinity of oceans; ocean deposits; ocean movements( waves, currents, tsunamies and tides). Oceans as the store house for future (economic importance) floor of the Indian ocean- a detail study.

---

### Geography of Rajasthan-II (Economic Aspects)

**Paper Code: GEO 202 (Theory - Paper IV)**

**Section-A**
Introduction, Distribution and density of Livestock, Breeds of Cattle, Sheep, Goats, Camels, Poultry, Dairy Development projects in Rajasthan.

**Section-B**
Irrigation development:Water Resources: Sources of irrigation in Rajasthan, Irrigational Projects : Detailed study of Indira Gandhi Canal Project, Chambal Project, Mahi Bajaj Sagar Project and minor projects. Impacts of these projects on physical and socio-economic aspects.

**Section-C**

**Section-D**
Essential Readings :

Paper-III

Crtchifield J.H. : General Climatology Prentic Hall India, New Delhi
Lal, D.S. : Climatology & Oceanography, Sharda Pustak Bhawan, Allahabad
Siddharth, K. : Atmosphere, Weather & Climate, Kitab Mahal, New Delhi
Siddharth, K. : Oceanography : A Brief Introduction, Kitab Mahal, New Delhi
सिंह, सविन्द्र : जलवायु विज्ञान, प्रयाग पुस्तक भवन, इलाहाबाद
बंसल, एस.सी. : जलवायु एवं समुद्र विज्ञान, वसुन्धर प्रकाशन, गोरखपुर
लाल, डी. एस. : जलवायु एवं समुद्र विज्ञान, केदारनाथ-रामनाथ, मेरठ
gौतम, अल्का : जलवायु एवं समुद्र विज्ञान, रस्तोगी प्रकाशन, मेरठ

Paper-IV

Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Jaipur.
Mishra, V.C. : Geography of Rajasthan, NBT, Delhi.
शर्मा, बी.एल. : राजस्थान का भूगोल, कॉलेज बुक डिपो, जयपुर।
शर्मा, एच. एस. एवं शर्मा, एम.एल. तथा मिश्रा, आर.एन. : राजस्थान का भूगोल, पंचशील प्रकाशन, जयपुर।
tiwari, ए.के. एवं सशस्त्र, एच.एम. : राजस्थान का भूगोल, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।
Practical
Paper Code: GEO 203 (Practical – Paper I)
Scheme:
Max Marks:

\[\begin{align*}
\text{For Science} & : 75 \text{ ESE} \\
\text{For Arts} & : 60 \text{ ESE} \\
\text{Science} & : 21 \text{ Marks}
\end{align*}\]

1. Written Paper on Lab work (03 hours)
   - Arts: 18 Marks
   - Science: 10 (6 + 4)

2. Record work and Viva
   - Arts: 08 (5 + 3)
   - Science: 14 (9 + 5)

3. Field Survey & Viva (03 hours)
   - Arts: 10 (7 + 3)

Scheme Contents

**Chain and Tape Survey**
Introduction to the techniques of field survey in Geography. Importance of Chain and Tape Surveying, Characteristics. Stages of Surveying, Study of the instruments and their use in the survey.

**Introduction to Surveying**

1. Open Traverse
2. Closed Traverse

Merits and Demerits of Chain and Tape survey.

**Weather Maps**

Study and interpretation of Indian weather maps of January and July, knowledge of weather instrument and Weather Symbols Representation of climatic data use. One dimensional diagrams (Concept and uses). Construction of a Climograph and Hythergraph. Drawing of Isobar, Isotherms and Isohytes map (always use recent data.)
**Essential Readings:**

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Publisher/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sharma, J.P.</td>
<td>Practical Geography</td>
<td>Rastogi Publications, Meerut</td>
</tr>
<tr>
<td>Singh, L.R.</td>
<td>Fundamentals of Practical Geography</td>
<td>Sharda Pub. Allahabad</td>
</tr>
<tr>
<td>Sharma, S.R.</td>
<td>Practical Geography</td>
<td>College Book depot, Jaipur</td>
</tr>
<tr>
<td>Crampton, J.</td>
<td>Mapping</td>
<td>Black well, Publications</td>
</tr>
<tr>
<td>Singh, R. L.</td>
<td>Elements of Practical Geography</td>
<td>Students friends Allahabad</td>
</tr>
</tbody>
</table>

**Inspirational Books in Hindi:**

<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Publisher/Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>इन्द्रपाल एवं माधुर हेमसंकर</td>
<td>मानचित्र एवं प्रक्षेप, राजस्थान हिंदी ग्रंथ अकादमी, जयपुर</td>
<td></td>
</tr>
<tr>
<td>अय्यर, एन.पी.</td>
<td>सर्वक्षण, मध्यप्रदेश हिंदी ग्रंथ अकादमी, भोपाल</td>
<td></td>
</tr>
<tr>
<td>राव, बी.पी.</td>
<td>प्रायोगिक भूगोल, कसुन्धर प्रकाशन, गोरखपुर</td>
<td></td>
</tr>
<tr>
<td>भारताज, दिनेश चन्द्र</td>
<td>स्थूल आरेख, राजस्थान हिंदी ग्रंथ अकादमी, जयपुर</td>
<td></td>
</tr>
<tr>
<td>खुल्लर, डी.आर.</td>
<td>प्रयोगात्मक भूगोल के तत्त्व, न्यू एकेडमिक पब्लिशिंग कॉम्पनी, जालन्धर</td>
<td></td>
</tr>
<tr>
<td>जैन एवं मामोरिया</td>
<td>प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा</td>
<td></td>
</tr>
</tbody>
</table>
Geography of India - I
Paper Code: GEO 301 (Theory Paper-V)

Objective:
This paper helps the student to have a regional study of India learning its physiography, drainage, climate, agriculture scenario, industrial trends and transport.

SECTION A
Physical Setting: Location of India in the world context; Physiography, Drainage, Climate: Seasons, Mechanism of Indian monsoons; Tropical cyclones and western disturbances; Climatic regions; Natural vegetation.

SECTION B
Resources Soil types and their distribution, Mineral and Energy resources: Distribution, utilization and conservation, livestock resources, water resource (sub surface and surface), watershed management. Agriculture: Factors Affecting Agriculture; Infrastructure–irrigation, institutional factors–land holdings, and land reforms; land capability, agro-and social forestry, agro-climatic regions, green revolution.

SECTION C
Industry Evolution of industries; Factors affecting location of industries, major industrial regions, cotton, jute, iron and steel, fertilizer, paper, chemicals, automobile and cottage industries; industrial development and new industrial govt. policies (current year).

SECTION D
Transport, Communication and Trade Road, railway, waterways, airways and pipeline networks and their complementary roles in regional development; Importance of ports, Regional Planning, Regionalization in India, Economic Regions of India.

Human Geography-I
Paper Code: GEO 302 (Theory paper-VI)

SECTION A
Definition, aim and scope of Human Geography, Relation of Human Geography with other sciences, Essential facts of Human geography by Brunches and Huntington.

SECTION B
Schools of thought in Human Geography Determinism, Neo- determinism and Possibilism. Races of mankind, Distribution and characteristics.

SECTION C
Human establishments and centers of human civilization. Building materials and house types in the world. Primary Human occupations, Elements of the environment and their impact on the Habitat, economy and Society of Eskimos, pygmies, Bushman

SECTION D
Indian Tribes – Bhil, Meena, Gond Naga – Habitat Economy and Society. Cultural Regions of India.
Essential Readings:

**Paper-I**

- Tritha, R : Geography of India, Rawat Publication, New Delhi
- Gautam, Alka : Advanced Geography of India, Sharda Publication, Allahabad
- Singh, R.L. : India-A Regional Geography, UBS Publication & Distributors Ltd, New Delhi
- Singh Jagdish : India-A, Comprehensive Systematic Geography, Gayonodaya Prakasan, Gorkhpur
- Singhal, Gopal : भारत का भूगोल, आत्माराम एण्ड सन्स, नई दिल्ली
- Tiwari, Arun S. : भारत का भूगोल, वसुचन्द्र प्रकाशन, गोरखपुर
- Bansal, Surendra Chand : भारत का वृहद भूगोल, मिनाक्षी प्रकाशन, मेघा
- Husain, Majid : भारत का भूगोल, टाटा मेगाहिल्स पब्लिशिंग कम्पनी लि. नई दिल्ली
- Mamoria, Chaturmuj : आधुनिक भारत का वृहद भूगोल, प्रतियोगिता साहित्य सीरिज, आगरा

**Paper-II**

- Mamoria, Chaturmuj : मानव भूगोल, साहित्य भवन पब्लिकेशन्स, आगरा।
- Husain, Majid : मानव भूगोल, रायत पब्लिकेशन्स, जयपुर।
- Meher, J.S. : मानव भूगोल, शारदा पुस्तक भवन, इलाहाबाद।
- Bansal, Surendra Chand : मानव भूगोल, मिनाक्षी पब्लिकेशन, मेघा।
B.A./B.Sc. Part II
B.A./B.Sc. Geography, Semester-3rd

PRACTICAL
Paper Code: GEO 303 (Practical Paper-III)

Max Marks :  

For Science – 75
45 ESE
30 CIA

For Arts – 60
36 ESE
24 CIA

Science – 21 Marks

1. Written Paper on Lab work (03 hours)
   Arts - 18 Marks
   Science - 10 (6 + 4)

2. Record work and Viva - Voce
   Arts - 08 (5 + 3)
   Science - 14 (9 + 5)

3. Field Survey & Viva –Voce (03 hours)
   Arts - 10 (7 + 3)

Representation of Statistical Data ---Two and Three dimensional diagrams, their
construction, properties and uses in special reference to the following diagrams representing -Population, agriculture and transportation .

1. Pyramid diagram
2. Square diagram
3. Rectangular diagram
4. Sector/Spherical
5. Ring diagram
6. Pie diagram
7. Traffic Flow

Maps :  Quantitative Map: Dot Map , Isopleth Map, Choropleth Map
        Qualitative Map: Picture maps, Chorochromatic, Chororschematic maps etc.

Statistical Methods :
Application of Mean, Median, Mode, Quartile deviation, mean deviation,
Standard deviation, Correlation in Geography.
Essential Readings:

Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
Sharma, S.R. : Practical Geography, College Book depot, Jaipur
Crampton, J. : Mapping, Black well, Publications
Singh, R. L. : Elements of Practical Geography, Students friends Allahabad

इन्द्रपाल एवं माधुर हेमशंकर : मानचित्र एवं प्रक्षेप, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल
राव, बी.पी. : प्रायोगिक भूगोल, वसुमध्य प्रकाशन, गोरखपुर
भास्कर, दिनेश चन्द्र : स्थूल आरेख, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
खुलर, डी.आर. : प्रयोगात्मक भूगोल के तत्त्व, न्यू एकेडमिक पब्लिशिङ कम्पनी, जालन्धर।
जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा।
GEOGRAPHY OF INDIA -II
Paper Code: GEO 401 (Theory Paper-VII)
Objective:
This paper helps the student to study India in detail knowing its culture, settlements, political scenario and planning in detail.

SECTION-A
Cultural Setting Races, major tribes and their problems; Population: Qualitative and Quantitative aspects: Growth, distribution and density of population, Migration, Population problems and policies. Settlements- Classification and types of rural settlements and urban settlements, Urbanization and related problems.

SECTION-B

SECTION-C

SECTION-D
Contemporary Issues - Environmental hazards-landslides, earthquakes, floods and droughts, environmental pollution and environment strategies

Human Geography-II
Paper Code: GEO 402 (Theory Paper-VIII)
Objective:
This paper benefits the student in the field of demography, migration trends and urbanization.

SECTION-A
World Demographic Trends, Growth, Demographic Transition, Malthusian and Marxian models of Population, distribution and density Concepts of over population, under population and Optimum population.

SECTION-B
Population Resource regions; Principal Human Agglomerations (Ecumene and non Ecumene). World population problems and policies, International Migration: pull and push factors of migration history of migration, Policies, Causes and consequences of migration.

SECTION-C

SECTION-D
Relation between man and resources, Resource utilization. Concept of Resources Conservation, Resource region of world.
Essential Readings :

Paper-III

Tritha, R : Geography of India, Rawat Publication, New Delhi
Gautam, Alka : Advanced Geography of India, Sharda Publication, Allahabad
Singh, R.L. : India-A Regional Geography, UBS Publication & Distributors Ltd, New Delhi
Singh Jagdish : India-A, Comprehensive Systematic Geography, Gayonodaya Prakasan, Gorkhpur,

Paper-IV

मामोरिया, चतुर्मुख : मानव भूगोल, साहित्य भवन पब्लिकेशन्स, आगरा।
हसेन, माजिद : मानव भूगोल, रावत पब्लिकेशन्स, जयपुर।
मौर्य एस.डी. : मानव भूगोल, शारदा पुस्तक भवन, इलाहाबाद।
बंसल, सुश्रव चन्द्र : मानव भूगोल, मिनाक्षी पब्लिकेशन्स, मेरठ।
Prismatic Compass Survey: Introduction to the techniques of field survey in Geography. Importance of Prismatic Compass Surveying, Characteristics, Merits and Demerits of this survey. Stages of Surveying, Study of the instruments used in the survey.

Types of Prismatic Surveying:
- Open Traverse
- Closed Traverse
- Bowdich Method

- Introduction of Cartography: History & Tools

Study of topographical sheets
Essential Readings:

Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
Sharma, S.R. : Practical Geography, College Book depot, Jaipur
Crampton, J. : Mapping, Black well, Publications
Singh, R. L. : Elements of Practical Geography, Students friends Allahabad

इन्द्रपाल एवं माधुर रेमशंकर

अय्यर, एन.पी.

साय, बी.पी.

भारद्वाज, दिनेश चन्द्र

खुल्लर, डी.आर.

जैन एवं मामोरिया
Evolution of Geographical Thought

Paper Code: GEO 501 (Theory Paper – IX)

Objective: This paper is an attempt towards making the student aware of the various fields of Geography like, Thought, Agriculture, Industrial, Urban and Transport.

SECTION-A

Meaning and definition, nature, aims and purpose, approaches and concepts of Geography. History of Geographic Thought - The nature of Geography is the early classical period with reference to the works of Herodotus, Eratosthenes, Strabo and Ptolemy.

SECTION-B


SECTION-C

The nature of Geographical Thought in the second half of 19th century. The Dualism in Geography. Physical & Human Geography, Determinism and Possibilism, Regional & Systematic Geography, Qualitative and Quantitative Geography. Myth and reality about Dualism.

SECTION-D

The Works of Retzel, Semple, Richthofen, Hettner, Herbertson and saur, Contribution of W.M. Davis.

World Geography-I

Paper Code: GEO 502 (Theory Paper – X)

Objective: This paper helps the student know about the various economic aspects of the world. It helps them study about the various natural resources, crops and minerals etc.

SECTION-A

Introduction to the major regions and developed (U.S, Japan and U.K.) and developing (India, Brazil and China) countries of the world, Major vegetation, soil, agriculture.

SECTION-B

Sectors of Economy-Primary, Secondary, Tertiary, Quaternary activity, Natural Resources: Definition, Classification, Distribution, exploitation and conservation of Forests, Soil, Fisheries, Water and wet land.

SECTION-C

Geography of Primary Production, Agriculture—Wheat, Rice, Sugarcane, Cotton, tea, Coffee, Jute, Rubber, World Agricultural types. Agriculture Regions of World.

SECTION-D

**Essential Readings:**

**PAPER-I**

Prof. Husain Majid : Evolution of Geographical Thought Rawat Publications, Jawahar Nagar, Jaipur


Prof. Husain Majid : Human Geography : Rawat Publications, Jawahar Nagar, Jaipur

Peet, Richard : Modern Geographical Thought : Rawat Publications, Jawahar Nagar, Jaipur

जैन, शेषभाल : भौगोलिक चिन्तन एवं विधि तंत्र : साहित्य भवन, आगरा

सिंह, जगदीश : भौगोलिक चिन्तन का क्रम विकास : ज्ञानोदय प्रकाशन, गोरखपुर

कौशिक, एस.डी. : भौगोलिक चिन्तन एवं विधि तंत्र : साहित्य भवन, आगरा

**PAPER-II**


Siddharth, K. : World Geography, Kitab Mahal, New Delhi

हूसेन माजिद : विश्व भौगोलिक, राजत प्रकाशन, जयपुर।

तिक्का, आर.एन. : विश्व का प्रादेशिक भौगोलिक, न्यू एकेडमिक प्रकाशित खंड, जालंधर।

सचेतन एच.एम. : विश्व का प्रादेशिक भौगोलिक, रस्तोत्ती प्रकाशन, मेरठ।

गीतम अल्का : संसाधन भौगोलिक, शारदा पुस्तक भवन, इलाहाबाद।
PRACTICAL
Paper Code: GEO 503 (Practical Paper-V)

Max Marks :

<table>
<thead>
<tr>
<th></th>
<th>45 ESE</th>
<th>30 CIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>or Arts</td>
<td>36 ESE</td>
<td>24 CIA</td>
</tr>
<tr>
<td>or Science</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Written Paper on Lab work (03 hours)
   - Arts: 18 Marks
   - Science: 10 (6 + 4)

2. Record work and Viva-Voce
   - Arts: 08 (5 + 3)
   - Science: 14 (9 + 5)

3. Field Survey & Viva-Voce (03 hours)
   - Arts: 10 (7 + 3)

Map Projection: Definition, Classification. Construction of projections by graphical method-
1. Polar Zenithal Projection
2. Gnomonic Projection
3. Equal area Zenithal Projection
4. Stereographic Projection
5. Orthographic projection
6. Simple Conical Projection with one Standard Parallel
7. Conical projection with two Standard Parallel
8. Polyconic Projection
9. Bonne’s Projection
10. Mercators Projection
11. Gall’s Projection
12. Simple Cylindrical Projection
13. Cylindrical Equal Area Projection

Topographical Sheets: Definition, Classification and Topographical Symbols; interpretation of Indian topographical Sheets.
Essential Readings:

Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
Sharma, S.R. : Practical Geography, College Book depot, Jaipur
Crampton, J. : Mapping, Black well, Publications
Singh, R. L. : Elements of Practical Geography, Students friends Allahabad
Geographical Methodologies
Paper Code: GEO 601 (Theory Paper – XI)

Objective: This paper is an attempt towards making the student aware of the various fields of Geography like, Political, Social and Regional.

SECTION-A

SECTION-B
Sampling: Types of Sampling, Sample size, Need of Sampling, Sampling area and Problems, Preparation of Research Projects & Reports.

SECTION-C
Methods of Delimitation of agriculture economics, industrial regions, measurement of agriculture productivity, Crop combinations and diversification.

SECTION-D
Models of Transportation, transport cost, Inter regional and intra regional, Connectivity and Accessibility. Delimiting sphere of city influence, Integrated area development planning.

World Geography-II
Paper Code: GEO 602 (Theory Paper-XII)

Objective: This paper will facilitate the students to know about the energy resources, the industries of the world and the role of major organization in the world.

SECTION-A

SECTION-B
World industries, Location patterns and problems of Textile, iron and steel, food processing, paper and pulp, industries

SECTION-C

SECTION-D
Role of international and Regional organizations in shaping the world economy. Study of WTO, EU, SAARC, ASEAN. Environmental Problems of World – Biodiversity, Ozone layer, Climatic changes etc.
Essential Readings:

**PAPER-III**

Hagget & Chorely: Models in Geography, TMH, New Delhi
Hagget Peter: Geography, A Modern Synthesis, TMH, New Delhi
Worting ten & Gant: Techniques of Map Analysis, Methuen, London

**PAPER-IV**

Siddharth, K.: World Geography, Kitab Mahal, New Delhi

Hussein Majid: Vishw Bhugol, Rashtriya Prakashan, Jaipur.


Sakhesana A.A.N.: Vishwa Ka Pradeshik Bhugol, Rashtori Prakashan, Meerut.

Gautam Altika: Samsa Bhugol, Sharada Pratibha Bhavan, Allahabad.
PRACTICAL
Paper Code: GEO 603 (Practical Paper-VI)

Max Marks : 45 ESE or Science – 75
               30 CIA
               36 ESE or Arts – 60
               24 CIA

Science – 21 Marks

1. Written Paper on Lab work (03 hours)
   Arts - 18 Marks
   Science – 10 (6 + 4)

2. Record work and Viva-Voce
   Arts - 08 (5 + 3)
   Science – 14 (9 + 5)

3. Field Survey & Viva-Voce (03 hours)
   Arts - 10 (7 + 3)

Plane Table Survey and Indian Pattern Clinometer. Exercise: Introduction to the techniques of field survey in Geography. Importance of Plane Table Surveying, Characteristics. Stages of Surveying Study of the instruments used in the survey.

Basic principles of Surveying:
1. Intersection Method
2. Radiation Method
3. Resection Method

Merits and Demerits of plane table survey.
Essential Readings:

Sharma, J.P. : Practical Geography, Rastogi Publications, Meerut
Sharma, S.R. : Practical Geography, College Book depot, Jaipur
Crampton, J. : Mapping, Black well, Publications
Singh, R. L. : Elements of Practical Geography, Students friends Allahabad

इन्द्रप्राप्तार एवं माधुर हेमशंकर : मानचित्र एवं प्रक्षेप, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।
अक्षय, एन.पी. : सर्वव्यापक, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल।
राव, बी.पी. : प्रायोगिक भूगोल, वसुचरा प्रकाशन, गोरखपुर।
भारहज, दिनेश चन्द्र : राष्ट्रीय आस्रेख, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।
खुल्लर, ढी.अर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेल्डमिक पब्लिशिंग कम्पनी, जालन्धर।
जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा।