

Department of Geography

SYLLABUS

(Course Curriculum & Marking Scheme)

B.A./B.Sc. (Pass Course) Semester I – VI

Geography

Session 2023-24, 2024-25, 2025-26



ESTD 1954

S.S.JAIN SUBODH P.G. (AUTONOMOUS) COLLEGE

Rambagh Circle, Jaipur – 302004

[Affiliated to the University of Rajasthan, Jaipur]

Rajasthan

Re-accredited with A++ Grade (3.82 CGPA-Highest in the country) by NAAC-UGC

81st Rank in India Ranking 2021 by NIRF-MHRD

Only college of Rajasthan ranked by NIRF, Ministry of Education, Govt. of India, (2019, 2020, 2021 & 2022)

College with "Star Status" recognized by DBT, Govt. of India, New Delhi

Declared as Model College by the Government of Rajasthan.

Department of Geography
B.A/B.SC (Pass course), SEMESTER I-VI, 2023-26
Credit Template: CBCS

CODE	COURSE TITLE/PAPER	COURSE TYPE	HRS/ WEEK	CREDITS
SEMESTER-I				
BGEO101	Physical Geography : Lithosphere	DSC-1	2T	2
BGEO102	Geography of Rajasthan: Physical and Human Attributes	DSC-2	2T	2
BGEO103	Practical – I	DSCP-I	4P	2
SEMESTER-II				
BGEO201	Physical Geography : Atmosphere, Hydrosphere and Biosphere	DSC-1	2T	2
BGEO202	Geography of Rajasthan : Economic Aspects	DSC-2	2T	2
BGEO203	Practical-II	DSCP-II	4P	2
SEMESTER-III				
BGEO301	Geography of India: Resources and Economic characteristics	DSC-1	2T	2
BGEO302	Human Geography	DSC-2	2T	2
BGEO303	Practical-III	DSCP-III	4P	2
Semester-IV				
BGEO401	Geography of India : Socio-Culture, Economic and Environmental issues	DSC-1	2T	2
BGEO402	Ecology and Environment	DSC-2	2T	2
BGEO403	Practical-IV	DSCP-IV	4P	2
SEMESTER V				
BGEO501	Geographical Thought	DSC-1	2T	2
	Choose any one theory Paper from BGEO502 and BGEO503			
BGEO502	Geography of Resources	DSE-2	2T	2
BGEO503	Agriculture Geography	DSE-3	2T	2
BGEO504	Practical-V	DSCP-V	4P	2
SEMESTER-VI				
BGEO601	World Geography	DSC-1	2T	2
	Choose any one Paper from BGEO602, BGEO603, BGEO604, BGEO605, BGEO606			
BGEO602	Geographical Methodologies	DSE-2	2T	2
BGEO603	Applied Geography	DSE-3	2T	2
BGEO604	Contemporary Issues in Geography	DSE-4	2T	2
BGEO605	Geography of Tourism	DSE-4	2T	2
BGEO606	Project	DSE-5	2T	2
BGEO607	Practical-VI	DSCP-VI	4P	2
		Grand Total:	48	36
DSC - Discipline Specific Core, DSE - Discipline Specific Elective, DSCP - Discipline Specific Core Practical				

Program Outcome

The B.A. Programme is aimed to examine evaluate critical aspects of spatial phenomenon from global to local level on various time scales. This is an endeavour to recognize the skill development in social sciences with special reference to Geography subject. The programme as a part of career avenues assists in learning in various fields like teaching, research and administration with the ability to evaluate programmes effectively.

After the completion of BA Programme students will be able to -

- To understand the basic concepts in Geography and understand the relevance of Geographical knowledge to everyday life.
- Develop the skill of interpretation and analysis of various concepts and theories.
- Use scientific logic as they explore a wide range of contemporary subjects spanning various aspects of Physical, Human, Regional, Environmental, Economic, Cartographic aspects of social sciences.
- Contribute effectively to pursue innovative solutions to human – environment problems.
- Learn the concepts, methods with interdisciplinary approach.

Course Specific Outcome:

After the completion of undergraduate programs as Geography a special paper, students will be able to develop the skill of interpretation and analysis of various concepts and theories. The students learn the complex real world challenges using concepts, methods and tools from one or more geographical sub-disciplines.

Following skills will be adapted by the students at the end of the course -

- To read and understand maps and topographic sheets to look at the various aspects on the space.
- To understand the basic statistical analysis and its use in Geography.
- To understand different survey methods and gain skill of surveying.

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),
RAMBAGH CIRCLE, JAIPUR-302004
B.A. /B.Sc. Geography, Semester-Ist Session-2023-24
Paper Code-BGEO101/HGEO101
Paper I –Physical Geography: Lithosphere

Marks Distribution			(Hons.)
TOTAL MARKS	=	50M	75M
ESE (End Semester Exam)	=	35M	54M
CIA (Continuous Internal Assessment)	=	15M	21 M
ESE contains Part -A and Part -B			
Part-A (I) : 03 Ques. of Map (compulsory)	3 x1 Mark	=	03M
Student will have to locate 3 out of 5 in world map, supplied by exam centre			
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory)	4ques.x1 Mark	=	04M
Student will have to attempt 4 out of 5 ques.			
Part- B : 04 Ques. (01 Q. from each unit with Internal choice)	=	4 x7 Marks	28M.
Maximum Marks	=	50M.	75M
Minimum Passing Marks	=	20 M	30M

Paper Outcomes

This paper in Physical Geography introduces students to the earth's form and relationships between its physical components. It aims to provide a fundamental understanding of the main physical aspects of the Earth. Through the course, students learn about the earth's structure and dynamic processes. This will help the core group to get the basic knowledge to understand about the earth's physical environment and to comprehend the relationships between geomorphologic landforms, concepts, and processes.

Unit-I

Meaning, definition, nature and scope of Physical Geography, Main divisions of Physical Geography, Origin of the Earth- Hypothesis of Kant, Laplace, Chamberlin and James Jeans, Big Bang Theory ,Views on Boson.

Unit-II

Interior of the Earth, Origin of Continents and Oceans- Continental Drift Theory of Wegener, Sea floor spreading, Plate tectonic theory, Concept of Isostasy: Views of Airy and Pratt.

Unit-III

Rocks, Drainage pattern, Earth movements - Endogenetic forces: Epeirogenic and Orogenic, Earthquakes, Volcanoes and related landforms, Concept of geosynclines, Mountain Building Theories - Kober and Homes.

Unit-IV

Earth movements: Exogenetic forces, Weathering- types and results, Erosion and evolution of landforms (Erosional and Depositional): Fluvial, Karst, Aeolian, Glacial, and Coastal. Cycle of erosion – Davis and Penck.

Essential Readings

- Khullar ,D.R. : Physical Geography, Kalyani Publication, New Delhi
- Gautam , Alka : Physical Geography, Sharda Publication, Prayagraj
- Singh, Savindra : Physical Geography, Pravalika Publication, Prayagraj
- Husain, Majid : Fundamentals of Physical Geography, Rawat Publication, Jawahar Nagar, Jaipur.
- Lal, D.S. : Physical Geography, Sharda Pustak Bhawan, Prayagraj.
- Strahler, A.N. : Modern Physical Geography, John Witey and Sons, Inc. New York.
- Bunnett, R.B. : Physical Geography in Diagrams, Orient Longman, New Delhi.
- सिंह, सविन्द्र : भौतिक भूगोल का स्वरूप, प्रवालिका प्रकाशन, प्रयागराज।
- जोशी, यशवन्त गोविन्द : भूगोल के भौतिक आधार (स्थल मण्डल), मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल।
- लाल, डी.एस. : भौतिक भूगोल, शारदा पुस्तक भवन, प्रयागराज।
- सिंह, के.एन. : भौतिक भूगोल, ज्ञानोदय प्रकाशन, गौरखपुर।
- शर्मा, एच.एस., शर्मा, एम.एल., : भौतिक भूगोल, पंचशील प्रकाशन, जयपुर।
- मिश्रा, आर.एन.
- हुसैन, माजिद : भौतिक भूगोल, रावत पब्लिकेशन्स, जयपुर।
- मामोरिया, सी.बी., जोशी, रतन : भौतिक भूगोल, साहित्य भवन पब्लिकेशन्स, आगरा।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography, Semester-I Session-2023-24
Paper Code : BGEO102/HGEO102
Paper II –Geography of Rajasthan: Physical and Human Attributes

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in rajasthan map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

This paper offers an introduction to Rajasthan, encompassing its Geographical features, climate, water, soil and human, resources and other significant aspects. It aims to provide students, both from within and outside the state, with a comprehensive overview of this arid and semi-arid region of the country. By studying this paper, students will gain essential knowledge about Rajasthan, which will prove beneficial for State level and other competitive exams, helping them to familiarize themselves with the state's fundamental information.

Unit-I

Geological structure, Physical divisions of Rajasthan, Climate: Climatic regions of Rajasthan, Drought and Famine in Rajasthan, Water resource: Drainage Systems and Lakes, water availability, problems and conservation.

Unit-II

Classification and distribution of soils in Rajasthan, soil erosion and conservation, Desertification, Desert Development Programme, Types of Natural Vegetation, Forest depletion, conservation, and government policies.

Unit-III

Population: Factors affecting growth, distribution and density of population in Rajasthan, Qualitative and Quantitative aspects of Population, Population Problems and measures.

Unit-IV

Regional disparity, Tribes of Rajasthan: Bhil, Garasia , Sahariya, Damor, and their problems, Programmes for their development.

Essential Readings

- Sharma , P.K. & Mishra, Preeti : Geography of Rajasthan, Pareek Publication, Jaipur.
Saxena, H. M. : Geography of Rajasthan, Rawat Publication, Jaipur.
Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Jaipur.
Mishra, V.C. : Geography of Rajasthan, NBT, Delhi.
Sharma , H.S. & Sharma, Ganesh : Geography of Rajasthan, Panchsheel Prakashan, Jaipur.
Chauhan, T.S. : Geography of Rajasthan, Scientific Publishers, Jodhpur.
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।
तिवारी, ए.के. एवं सक्सेना, एच.एम. : राजस्थान का भूगोल, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।
भल्ला, एल.आर. : राजस्थान का भूगोल, कुलदीप पब्लिकेशन, जयपुर।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography, Semester-I Session-2023-24
Paper Code : BGEO103/HGEO104
Practical- I

Marks Distribution		(Hons)
Total Marks :	50 M	150 M
Minimum Passing Marks :	20 M	60M
	ESE (External) 30M	90M
	CIA (Internal) 20M	60 M
1.) ESE	30 M	90M
(i) Written Paper		
on Lab work (02 Hours) 4 (ques.) x 5 marks	20 M	(4x5)= 60 M
(Students will have to answer 4 ques. out of 8 ques. , selecting one question from each unit		
(ii) Record/File work and Viva-Voce (02 Hours) (7+3)	10 M	(21+9) =30 M
2.) CIA	20 M	60M
(i) Written test (01 hour) 2(ques.) x6 marks	12 M	(2x18) = 36M
(Students will have to answer any 2 ques. out of 4 ques.)		
(ii) Practice Record work and Viva-Voce (1 hour) (5+3)	08 M	(15+9) = 24 M

Paper Outcomes

This paper is aimed to develop training skills and practical knowledge of the subject. The paper dealt with the important Geographical concepts such as Scale, contours and Profiles. The student will learn the various methods of relief representation.

Unit – I

Scales: Definition and Types, Conversion of R.F into Statement and Vis-a-versa, Construction of Plain, Comparative, Diagonal Scale and Vernier Scale, Enlargement and Reduction of Maps- Graphical Techniques.

Unit – II

Representation of Relief: Methods of showing Relief: Hachures, Hill Shading, Spot heights, Bench Marks, Trigonometrical station, Form lines and Contours.

Unit – III

Contours : Study of Contours of Important Landforms - Types of Slopes, Simple and Conical Hill, Plateau, Ridge, Saddle, V-shaped Valley, U-shaped Valley, Hanging valley, Waterfall, Escarpment, Spur, Lake, Caldera, Simple Meander, Ox-bow lake and Cirque.

Unit – IV

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 Profile - Serial Profile, Superimposed Profile, Projected Profile, Composite Profile.

Essential Readings:

- Mishra,R.N. & Sharma,P.K. : Practical Geography, Pareek Publication, Jaipur
- Singh, L.R. : Fundamentals of Practical Geography, Sharda Pustak Bhawan, Prayagraj.
- Sharma, S.R. : Practical Geography, College Book depot, Jaipur.
- Crampton, J. : Mapping, Black well, Publications, Meerut, U.P.
- Singh, R. L., Singh Rana, P.B. : Elements of Practical Geography, Kalyani Publishers, Delhi.
- Khullar,D.R. : Essential of Practical Geography, Kalyani Publishers, Delhi.
- Sarkar,Ashish : Practical Geography, A systematic Approach Orient Black Swan, Kolkata
- शर्मा, जे.पी. : प्रयोगात्मक भूगोल, रस्तोगी पब्लिकेशन, मेरठ।
- अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल।
- राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर।
- खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),

RAMBAGH CIRCLE, JAIPUR-302004

B.A./B.Sc. Geography, Semester-II Session-2023-24

Paper Code: BGEO201/HGEO201

Paper – I Physical Geography: Atmosphere, Hydrosphere and Biosphere

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in world map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

The students will be able to learn different elements and composition of weather and climate, oceanic current and its associated phenomenon. The course content will give complete picture about the atmosphere, hydrosphere and biosphere. Students will also develop in-depth knowledge of upper atmospheric conditions and cyclonic features.

Unit-I

Composition and structure of Atmosphere, Insolation, Heat budget. Temperature: distribution, Inversion of temperature Atmospheric Pressures - Pressure belts and Winds, Jet Stream.

Unit-II

Air Masses, Cyclones, Anti-cyclones and associated weathers. Classification of World Climate – Koppen and Thornthwaite scheme, Climate change and Global Warming.

Unit-III

Bottom Topography of the Indian, Atlantic, and Pacific Oceans, Ocean temperature, Salinity of Oceans, Ocean Deposits, Ocean Movements – Tides and Currents, Coral Reefs.

Unit-IV

Biosphere and its components, Ecosystem and Ecology, Biome: Equatorial rainforest, Monsoon, Savana and Temperate grasslands, Biodiversity.

Essential Readings

- Crtchifield, J.H. : General Climatology Prentic Hall India, New Delhi.
Lal, D.S. : Climatology & Oceanography, Sharda Pustak Bhawan, Prayagraj.
Siddharth, K. : Atmosphere, Weather & Climate, Kitab Mahal, New Delhi.
Siddharth, K. : Oceanography : A Brief Introduction, Kitab Mahal, New Delhi.
Singh, Savindra : Climatology, Pravalika Publication, Prayagraj.
Singh, Savindra : Oceanography, Pravalika Publication, Prayagraj.
सिंह, सविन्द्र : जलवायु विज्ञान, प्रवालिका प्रकाशन, प्रयागराज।
बंसल, एस.सी. : जलवायु एवं समुद्र विज्ञान, वसुन्धरा प्रकाशन, गोरखपुर।
लाल, डी. एस. : जलवायु एवं समुद्र विज्ञान, केदारनाथ-रामनाथ, मेरठ।
गौतम, अल्का : जलवायु एवं समुद्र विज्ञान, रस्तोगी प्रकाशन, मेरठ।
बंसल, राजीव : जलवायु एवं समुद्र विज्ञान, एस.बी.पी.डी. पब्लिकेशन, आगरा।
शर्मा, एच.एस., शर्मा, एम.एल., : भौतिक भूगोल, पंचशील प्रकाशन, जयपुर।
मिश्रा, आर.एन. : भौतिक भूगोल, मलिक पब्लिकेशन, जयपुर।
जाट, बी.सी. : भौतिक भूगोल, मलिक पब्लिकेशन, जयपुर।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography, Semester-II Session-2023-24
Paper Code: BGEO202/HGEO202
Paper – II Geography of Rajasthan : Economic Aspects

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in Rajasthan map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

The paper aims to familiarize students with the abundant resources in the state's physical environment and their role in driving economic development. By studying these resources, students will gain insights into their accessibility and importance for driving economic development and fostering overall growth within the region. The paper aims to provide a comprehensive overview of the various natural assets like mineral resources, water bodies, fertile lands, and other physical elements that contribute to the state's economic potential.

Unit-I

Land utilization in Rajasthan, Agriculture- characteristics, problems and development, Major Crops, Livestock, and Dairy Development in Rajasthan.

Unit-II

Irrigation Development - Sources of Irrigation in Rajasthan, Irrigational Projects: Detailed study of Indira Gandhi Canal Project, Chambal Project, Mahi Bajaj Sagar Project .Impacts of Projects on Physical and Socio-economic Aspects.

Unit-III

Mineral Resource: Metallic and non-metallic minerals, Power Resource: Renewable and Non-renewable, Green energy as a solution of energy crisis in Rajasthan.

Unit-IV

Industries -Textile, Sugar, Cement, Granite and Marble, Industrial Development, Trade and Transport development - Railways and roadways.

Essential Readings

- Bhalla, L.R. : Geography of Rajasthan, Kuldeep Publication, Jaipur.
- Sharma, P.K. & Mishra, Preeti : Geography of Rajasthan, Pareek Publication, Jaipur.
- Sharma, H.M. : Geography of Rajasthan, Rawat Publication, Jaipur.
- Mishra, V.C. : Geography of Rajasthan, NBT, Delhi.
- Sharma, H.S. and Sharma, Ganesh : Geography of Rajasthan, Panchsheel Prakashan, Jaipur.
- Chauhan, T.S. : Geography of Rajasthan, Scientific Publishers, Jodhpur
- 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।
- तिवारी, ए.के. एवं सक्सेना, एच.एम. : राजस्थान का भूगोल, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।
- भल्ला, एल.आर. : राजस्थान का भूगोल, कुलदीप पब्लिकेशन, जयपुर।

**S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- II Session-2023-24
Paper Code: BGEO203/HGEO204
Practical – II**

Marks Distribution		(Hons)
Total Marks :	50 M	150 M
Minimum Passing Marks :	20 M	60M
	ESE (External) 30M	90M
	CIA (Internal) 20M	60 M
1.) ESE	30 M	90M
(i) Written Paper on Lab work (02 Hours) 4 (ques) x 3 marks (Students will have to answer 4 ques. out of 8 ques. , selecting one question from each unit)	12 M	(4 x 9) = 36 M
(ii) Field Survey and viva-voce (7+3)	10M	(21+9) = 30M
(iii) Record/File work and Viva-Voce (02 Hours) (5 +3)	8M	15 +9) = 24M
2.) CIA	20 M	60M
(i) Written test (01 hour) 2(ques.) x6 marks (Students will have to answer any 2 ques. out of 4 ques.)	12 M	(2x18) = 36 M
(ii) Practice Record work and Viva-Voce (1 hour) (5+3)	08 M	(15 +9) = 24 M

Paper Outcomes

Diagrams and Graphs play an important role in the field of Geography. The student will learn the tabulation, calculation and representation of data through various types of Diagrams and Graphs. With the help of various weather maps and instruments, student will be able to learn about the ground truth analysis and interpretation.

Unit – I

Diagrams: Meaning, Definition, types and uses. One Dimensional Diagrams (Simple Pyramid Diagram, Simple Bar Diagram, Compound Bar Diagram, Multiple Bar Diagram), Battleship Diagram.

Unit – II

Graphs: Meaning, Definition, types and uses. Simple Line graph, Combined line graph, Combined line and Bar Graph.

Unit – III

Weather maps and Instruments:

Study and Interpretation of Indian weather maps of January and July, Knowledge of Weather Instrument : Simple Thermometer, Six's Maximum and Minimum Thermometer, Wet and Dry Bulb Thermometer, Mercury Barometer, Aneroid Barometer, Wind Vane, Anemometer, Rain Gauge, Weather Symbols. Construction of a Climograph, Climatograph and Hythergraph. Drawing of Isobar, Isotherms and Isohytes Map (always use recent data).

Unit – IV

Chain and Tape Survey:

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

Methods of Surveying:- 1) Open Traverse 2) Closed Traverse

Merits and Demerits of Chain and Tape survey.

Essential Readings :

- Mishra, R.N.& Sharma, P.K. : Practical Geography, Pareek Publications, Jaipur.
Singh, L.R. : Fundamentals of Practical Geography, Sharda Pub. Prayagraj.
Sharma, S.R. : Practical Geography, College Book depot, Jaipur
Crampton, J. : Mapping, Black Well Publications, Meerut, U.P.
Singh, R. L. : Elements of Practical Geography, Students Friends, Prayagraj.
शर्मा, जे.पी. : प्रायोगिक भूगोल, रस्तौगी पब्लिकेशन, मेरठ।
अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल।
राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर।
खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर।
जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),

RAMBAGH CIRCLE, JAIPUR-302004

B.A./B.Sc. Geography- Semester- III Session-2024-25

Paper Code: BGEO301/HGEO301

Paper – I Geography of India : Resources and Economic characteristics

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in India map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

This paper offers students a comprehensive regional study of India. It provides in-depth knowledge of the country's diverse landscapes. Students will gain insights into complex drainage patterns, climatic influences, and agricultural practices. Additionally, they will understand the significance of industrial developments and transportation systems for India's economic growth. Course outcomes include fostering informed decision-making and critical thinking to enhance understanding of India's regional dynamics.

Unit-I

Physiography, Drainage, Climate: Mechanism of Indian monsoons, Classification of Climate.

Unit-II

Resources- Soil distribution and Types, Minerals: Iron, Copper and Aluminum, Energy resources: Renewable and Non-Renewable: Coal, Petroleum, Solar and Wind, Agriculture - Factors affecting Major Crops: Distribution and Production; Wheat, Rice, Sugarcane, Cotton, Green Revolution vis-à-vis traditional farming, Agro-climatic Regions.

Unit-III

Industries- Evolution of Industries: Major Industrial Regions, Industries - Cotton, Iron and Steel, Chemical and Automobile, Industrial Development and Recent Industrial Policy.

Unit-IV

Transport and Communication: Road, Railway Networks and their complementary roles in Regional Development, Regionalization of India: Physiographic (R. L. Singh), Economic (P. Sengupta).

Essential Readings

- Tripathi, R. : Geography of India, Rawat Publication, New Delhi.
Khullar, D.R. : India, A Comprehensive Geography, Kalyani Publishers, New Delhi.
Gautam, Alka : Advanced Geography of India, Sharda Publication, Prayagraj.
Singh, R.L. : India-A Regional Geography, UBS Publication & Distributors Ltd, New Delhi.
Singh, Jagdish : India-A, Comprehensive Systematic Geography, Gayonodaya Prakashan, Gorkhpur.
Tiwari, R.C. : Geography of India, Pravalika Publications, Prayagraj.
सिंह, गोपाल : भारत का भूगोल, आत्माराम एण्ड सन्स, नई दिल्ली।
तिवाड़ी, आर.सी. : भारत का भूगोल, वसुन्धरा प्रकाशन, गोरखपुर।
बंसल, सुरेश चन्द्र : भारत का वृहद् भूगोल, मिनाक्षी प्रकाशन, मेरठ।
हुसैन, माजिद : भारत का भूगोल, टाटा मैग्राहिल्स पब्लिशिंग कम्पनी लि. नई दिल्ली।
मामोरिया, चतुर्भुज : आधुनिक भारत का वृहद् भूगोल, प्रतियोगिता साहित्य सीरिज, आगरा।
शर्मा, एच.एस., शर्मा, एम.एल., : भारत का नूतन भूगोल, आर.बी.डी., जयपुर।
शर्मा, जे.के.

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- III Session-2024-25
Paper Code- BGEO302/HGEO302
Paper – II Human Geography

Marks Distribution		(Hons.)	
TOTAL MARKS	= 50M		75M
ESE (End Semester Exam)	= 35M		54M
CIA (Continuous Internal Assessment)	= 15M		21 M
ESE contains Part -A and Part -B			
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M		3x2= 06 M
Student will have to locate 3 out of 5 in world map, supplied by exam centre			
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M		4x2 = 08 M
Student will have to attempt 4 out of 5 ques.			
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.		4x10 = 40 M
Maximum Marks	= 50M.		75M
Minimum Passing Marks	= 20 M		30M

Paper Outcomes

The main objective of the paper is to facilitate students in understanding the intricate relationship between humans and the environment. By the course's completion, students will gain insights into the complex interplay and impact of human activities on the natural world. They will develop a deeper awareness of environmental issues and the importance of sustainable practices for a harmonious coexistence with the planet.

Unit - I

Introduction to Human Geography: Meaning, Definition, Nature, Scope and importance, Basic Principles of Human Geography. Essential elements of Human Geography: Brunhes and Huntington,

Unit - II

Environmental determinism, Possibilism, Stop and Go Determinism, Contribution of various scholars, Fredrick Ratzel, Miss Ellen C. Semple, Vidal dela Blache.

Unit-III

Races of Mankind: Distribution and characteristics; Major tribes-Eskimo, Pygmy, Bushman, Naga, Gonds, Santhal and their characteristics, distribution, economy and development.

Unit-IV

World Population Growth, density and policies, Principal Human Agglomerations (Ecumene and non - Ecumene). Migration, - Causes, types and Consequences, Urbanization- trends and problems

Essential Readings

- | | | |
|--------------------|---|---|
| Tripathi, R.K. | : | Human Geography, Commonwealth. |
| Hussain, Majid | : | Human Geography, Rawat Publication, Jaipur. |
| Maurya,S.D. | : | Human Geography, Pravalika Publications, Prayagraj. |
| Singh, Kumar Nand | : | A Text Book of Human Geography, Rajesh Publications, Delhi. |
| मामोरिया, चतुर्भुज | : | मानव भूगोल, साहित्य भवन पब्लिकेशन्स, आगरा। |
| हुसैन, माजिद | : | मानव भूगोल, रावत पब्लिकेशन्स, जयपुर। |
| मौर्य, एस.डी. | : | मानव भूगोल, शारदा पुस्तक भवन, प्रयागराज। |
| बंसल, नरेश चन्द्र | : | मानव भूगोल, मिनाक्षी पब्लिकेशन, मेरठ। |
| कौशिक, एस.डी. | : | मानव भूगोल, रस्तौगी पब्लिकेशन, मेरठ। |

**S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS),
 RAMBAGH CIRCLE, JAIPUR-302004
 B.A./B.Sc. Geography- Semester- III Session-2024-25
 Paper Code- BGEO303/HGEO304
 Practical – III**

Marks Distribution		(Hons)
Total Marks :	50 M	150 M
Minimum Passing Marks :	20 M	60M
	ESE (External) 30M	90M
	CIA (Internal) 20M	60 M
1.) ESE	30 M	90M
(ii) Written Paper on Lab work (02 Hours) 4 (ques) x 5 marks (Students will have to answer 4 ques. out of 8 ques. , selecting one question from each unit	20 M	(4x15)= 60 M
(ii) Record/File work and Viva-Voce (02 Hours) (7+3)	10 M	(21+9) =30 M
2.) CIA	20 M	60M
(i) Written test (01 hour) 2(ques.) x6 marks (Students will have to answer any 2 ques. out of 4 ques.)	12 M	(2x18) = 36M
(ii) Practice Record work and Viva-Voce (1 hour) (5+3)	08 M	(15+9) = 24 M

Paper Outcomes

Maps and Diagrams are powerful tools that help in visualizing and understanding various Geographical concepts, processes, and patterns. The student will learn the tabulation and representation of data through charts, diagrams, and distributional maps and also learn statistical techniques with relevant examples.

Unit – I

Introduction of Cartography: Definition, history, development, tools and techniques.

Unit – II

Maps: Quantitative Map: Dot Map, Isopleth Map, Choropleth Map. Qualitative Map: Picture Maps, Chorochromatic, Choroschematic Maps.

Unit – III

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- i) Simple Pyramid Diagram ii) Compound Pyramid Diagram
iii) Superimposed Pyramid Diagram.
2. Square diagram - i) Unit Square Diagram ii) Square Block Diagram
3. Rectangular diagram - i) Simple Rectangular Diagram ii) Divided Rectangle Diagram
4. Sector/Pie diagram
5. Ring diagram
6. Spherical diagram
7. Cube Diagram
8. Traffic Flow

Unit – IV

Statistical Methods - Measurement of Central Tendencies- Mean, Median and Mode.

Mean Deviation, Quartile Deviation, Standard Deviation, Correlation in Geography.

Essential Readings

- Mishra,R.N : Practical Geography, Pareek Publishers, Jaipur.
Sharma, P.K.
Singh, L.R. : Fundamentals of Practical Geography, Sharda Publication, Prayagraj.
Khullar, D.R : Essential of Practical Geography, Choukhamba Auriyantaliya.
Sharma, S.R. : Practical Geography, College Book Depot,Jaipur.
Crampton, J. : Mapping, Black well Publications, Meerut, U.P.
Singh, R. L. : Elements of Practical Geography, Students Friends, Prayagraj.
Sarkar , Ashis : Practical Geography, A Systematic Approach, Orient Black Swan, Kolkata.
- शर्मा, जे.पी. : प्रायोगिक भूगोल, रस्तौगी पब्लिकेशन, मेरठ।
अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल।
राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर।
खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर।
जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- IV ,Session-2024-25
Paper Code- BGEO401/HGEO401
Paper – I Geography of India : Socio-Culture, Economic and Environmental
issues

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in India map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

The paper provides students with an opportunity to conduct an in-depth study of India, delving into its culture, settlements, political scenario, and planning intricately. By engaging with this course, students will gain comprehensive knowledge about the country's diverse cultural heritage, various settlements, political landscape, and urban planning practices. This detailed understanding of India's multifaceted aspects will enable students to develop a well-rounded perspective of the nation's social, political, and urban dynamics.

Unit-I

Cultural Setting, Major tribes: Bhil and Naga and their problems; Population: HDI, Literacy and Gender, Quantitative Aspects: Growth, Distribution and Density of Population, Population Problems and Policies. Urbanization and related problems.

Unit-II

Regional Development and Planning: Regional Disparities Planning Regions and Regional Planning. Developmental Planning: Multi-level Planning.

Unit-III

Indian Economy–Factors Affecting Indian Economy, Economic policies, International trade. Contemporary Issues Regional Disparity, Globalization. Impact of Development on Environment.

Unit-IV

Contemporary Issues– Deforestation, Environmental Hazards–Floods and Droughts, Environment Strategies and Policies.

Essential Readings

- Tritha, R. : Geography of India, Rawat Publication, New Delhi.
- Khullar ,D.R. : India, A Comprehensive Geography ,Kalyani Publishers, New Delhi.
- Gautam, Alka : Advanced Geography of India, Sharda Publication, Prayagraj.
- Singh, R.L. : India-A Regional Geography, UBS Publication & Distributors Ltd, New Delhi.
- Singh, Jagdish : India-A, Comprehensive Systematic Geography, Gayonodaya Prakasan, Gorkhpur,
- Tiwari, R.C. : Geography of India, Pravalika Publications, Prayagraj.
- सिंह, गोपाल : भारत का भूगोल, आत्माराम एण्ड सन्स, नई दिल्ली।
- तिवाड़ी, आर.सी. : भारत का भूगोल, वसुन्धरा प्रकाशन, गोरखपुर।
- बंसल, सुरेश चन्द्र : भारत का वृहद् भूगोल, मिनाक्षी प्रकाशन, मेरठ।
- हुसैन, माजिद : भारत का भूगोल, टाटा मैग्राहिल्स पब्लिशिंग कम्पनी लि. नई दिल्ली।
- मामोरिया, चतुर्भुज : आधुनिक भारत का वृहद् भूगोल, प्रतियोगिता साहित्य सीरिज, आगरा।
- शर्मा, एच.एस., शर्मा, एम.एल., शर्मा, जे.के. : भारत का नूतन भूगोल, आर.बी.डी., जयपुर।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- IV Session-2024-25
Paper Code- BGEO402/HGEO402
Paper – II Ecology and Environment

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in world map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

This is a learning method to know the surrounding physical environment with all its components and elements and also to understand how all those work like: life processes, adaptation and biodiversity (Ecology).

Unit-I

Definition, Nature and Scope of Ecology, Ecological changes over space and time, Ecosystem stability and disturbance.

Unit-II

Managed Ecosystems: agricultural, urban, case studies of human induced ecological changes, Desert Ecosystems with special reference to Rajasthan

Unit-III

Wetland ecosystems with special reference to Rajasthan, Wetland, Agricultural ecosystem with special reference to Indira Gandhi Nahar Pariyojna (IGNP).

Unit-IV

Industrial affluent and its effect on fresh water biology and riverine ecosystem, management practice with special reference to Rajasthan.

Essential Readings

- Saxena, K.K. : Environmental Studies, University Book House, Jaipur.
Singh, R.B., Thakur, D.K., : Environmental Studies, RBD Publication, Jaipur.
Edington, J.M. : Ecology Environmental Planning, Champanand Hall, London.
Sharma, P.D. : Fundamentals of Ecology, Rastogi Publication, Meerut, U.P.
नेगी, पी.एस. : पारिस्थितिकीय विकास एवं पर्यावरण भूगोल, रस्तोगी प्रकाशन, मेरठ।
सक्सेना, एच.एम. : पर्यावरण एवं पारिस्थितिकी भूगोल, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर।
सिंह, सविन्द्र : पर्यावरण भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद।
सिंह, सविन्द्र : जैव भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- IV Session-2024-25
Paper Code- BGEO403/ HGEO404
Practical – IV

Marks Distribution		(Hons)
Total Marks :	50 M	150 M
Minimum Passing Marks :	20 M	60M
	ESE (External) 30M	90M
	CIA (Internal) 20M	60 M
1.) ESE	30 M	90M
(i) Written Paper		
on Lab work (02 Hours) 4 (ques) x 3 marks	12 M	(4 x 9) = 36 M
(Students will have to answer 4 ques. out of 8 ques. , selecting one question from each unit)		
(ii) Field Survey and viva-voce (7+3)	10M	(21+9) = 30M
(iii) Record/File work and Viva-Voce (02 Hours) (5 +3)	8M	(15 +9) = 24M
2.) CIA	20 M	60M
(i) Written test (01 hour) 2(ques.) x6 marks	12 M	(2x18) = 36 M
(Students will have to answer any 2 ques. out of 4 ques.)		
(ii) Practice Record work and Viva-Voce (1 hour) (5+3)	08 M	(15 +9) = 24 M

Paper Outcomes

The main objective of the paper is to understand the basic concept of Survey and surveying. Model is a device for understanding the vast interacting system comprising all humanity and its natural environment on the surface of the earth. The student will learn the tools and techniques of chart and model making and enhance the skill of evaluation and analysis.

Unit – I

Surveying: The art of surveying, history of surveying, scope, utility, problems and classification of surveying, Methods of surveying: traverse – open and closed.

Unit – II

Prismatic Compass Survey: Introduction, use and applications of Prismatic Compass Survey, Importance of Prismatic Compass Surveying, Characteristics, merits and demerits of this survey. Study of the instruments used in this Survey.

Unit – III

Methods – Radiation and Intersection methods; Open and Closed traverse. Calculation of correction of bearings; Closing Error - Bowditch Method.

Unit – IV

Model and Chart- Tools and techniques of and Model Making, Meaning, definition, scope and types of chart, Components of charts, Importance of charts in Geography. Model and Chart making material- Drawing sheet, Pen, Pencils, Eraser, Sharpener, Brush, Stencils etc.

Essential Readings

- Mishra, R.N. : Practical Geography, Pareek Publishers, Jaipur.
Sharma, P.K.
Singh, L.R. : Fundamentals of Practical Geography, ShardaPub. Prayagraj.
Khullar, D.R. : Essential of Practical Geography, Choukhamba Auriyantaliya.
Sharma, S.R. : Practical Geography, College Book Depot, Jaipur.
Crampton, J. : Mapping, Black well, Publications, Meerut, U.P.
Singh, R. L. : Elements of Practical Geography, Students Ffriends, Prayagraj.
Sarkar , Ashis : Practical Geography, A Systematic Approach, Orient Black
Swan, Kolkata.
शर्मा, जे.पी. : प्रायोगिक भूगोल, रस्तौगी पब्लिकेशन, मेरठ ।
अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल ।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)

RAMBAGH CIRCLE, JAIPUR-302004

B.A./B.Sc. Geography- Semester- V Session-2025-26

Paper Code- BGEO501/ HGEO501

Paper – I Geographical Thought

Marks Distribution			(Hons.)
TOTAL MARKS	=	50M	75M
ESE (End Semester Exam)	=	35M	54M
CIA (Continuous Internal Assessment)	=	15M	21 M
ESE contains Part -A and Part -B			
Part-A (I) : 07 Ques. of short ans. (one word / 15 words) (compulsory)	7ques.x1 Mark	=	07M
Student will have to attempt 4 out of 5 ques.			14x1 = 14M
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks		=	28M.
Maximum Marks		=	50M.
Minimum Passing Marks		=	20 M

Paper Outcomes

The course aims to enhance students understanding of the historical evolution of Geographic thought, providing a detailed analysis of diverse paradigms in Geography, and evaluating contemporary trends in Geographical studies. Upon completion, students will possess an in-depth comprehension of the evolution of Geographical thought, acquire extensive knowledge about paradigms and debates within the field, and gain insights into the latest traditions in Geography.

Unit-I

Meaning, definition, nature, aims and purpose, approaches and concepts of Geography. The nature of Geography in the early classical period with special reference to the works of Herodotus, Eratosthenes, Strabo and Ptolemy.

Unit-II

Early Medieval Geography. Contribution of Al-Masudi, Al- Idrisi, Ibn – Battuta, The Revival of Geography from the 16th to the early 19th century – Kant, and Varenius. Founders of Modern Geography - Humboldt and Ritter.

Unit-III

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

Unit-IV

The Works of Retzel, Semple, Richthofen, Hettner, Contribution of W.M. Davis, Development of Geography in India, Geography of ancient Vedas and Purana's.

Essential Readings

- Husain, Majid : Evolution of Geographical Thought Rawat Publications, Jawahar Nagar, Jaipur.
- Adhikari, Subepta : Fundamentals of Geographical Thought, Orient Black Swan Pvt. Ltd., Hyderabad.
- Peet, Richard : Modern Geographical Thought : Rawat Publications, Jawahar Nagar, Jaipur.
- Kaushik, S.D., Rawat, D.S. : Geographical Thought and Methodology, Rastogi Publications, Meerut, U.P.
- जैन, शेषमल : 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।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- V Session-2025-26
Paper Code- BGEO502/HGEO502502
Paper – II Geography of Resources

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in world map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

This paper provides students with knowledge about the diverse economic aspects of the world, including an exploration of various natural resources, crops, minerals, and more. Through this course, students will gain insights into the global economic landscape, understanding the significance and utilization of these resources in different regions. It equips them with a comprehensive understanding of the economic factors shaping societies and nations worldwide.

Unit-I

Meaning, nature and scope of Geography of Resource. Meaning of resource and classification of Resources and utilization.

Unit-II

Natural Resources: Definition, classification, distribution, exploitation and conservation of Forests, Soil, Water and Wet land.

Unit-III

Geography of Primary Production, Agriculture–Wheat, Rice, Sugarcane, Cotton, Tea, Coffee, Jute, Rubber, Types of Agriculture.

Unit-IV

Minerals- Factors affecting the Mining and exploitation of Minerals, Metallic and Non- Metallic minerals, Exploitation and conservation of Mineral Resources. Energy Resources: Renewable and Non- Renewable, Conservation of energy.

Essential Readings

- Gautam, Alka : Geography of Resources, Exploitation, Conservation and Management, Sharda Pustak Bhawan, Prayagraj.
- Alexander, E.W. : Economic Georaphy, Prentice Hall India, New Delhi.
- Mourya, S.D. : World Regional Geography, Pravalika Publications, Prayagraj.
- हुसैन, माजिद : विश्व भूगोल, रावत पब्लिकेशन, जयपुर।
- सर्वेसना एच.एम. : विश्व का प्रादेशिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
- गौतम अल्का : संसाधन भूगोल, शारदा पुस्तक भवन, प्रयागराज।
- कौशिक, एस.डी. : संसाधन भूगोल, रस्तौगी पब्लिकेशन्स, मेरठ।
- मौर्य, एस.डी. : विश्व का प्रादेशिक भूगोल, प्रवालिका पब्लिकेशन्स, प्रयागराज।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- V Session-2025-26
Paper Code- BGEO503/HGEO503
Paper – III Agriculture Geography

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in world map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

Agricultural Geography is a sub-discipline of Human geography concerned with the spatial relationships found between agriculture and humans. The relevance of studying this paper is to examine the spatial distribution of crops, livestock and other agricultural activities, the cropping patterns and combination of crop and livestock in space and time.

Unit – I

Nature, scope and significance of Agricultural Geography, Approaches to the study of Agricultural Geography – Commodity, Environmental, Systematic and Regional.

Unit – II

Determinants of Agricultural Land use – Physical, Social, Economic and Cultural.

Unit – III

Whittlesey's Agricultural types- Characteristics and distribution in world, A Critical review of Whittleseys agricultural classification.

Unit – IV

Indian agriculture regions, factors of regionalization, agro - climatic regions, Problems and prospects of regions.

Essential Readings

- Bansal, P.L. : Agricultural Problems in India – Vikash Publication, New Delhi.
Gregor, H.F. : Geog. of Agricultural Themes in Research PrenticeHall, New Delhi.
Grigg, D.B. : The Agricultural Systems of the World, CambridgeUniversity Press.
Negi, B.S. : Agricultural Geography, Kedarnath Padamath, Meerut.
Hussain Mazid : Agricultural Geography, Rawat Publication, Jaipur.
कुमार प्रमिला, शर्मा : कृषि भूगोल, मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल ।
श्रीकमल
कलवार, एस.सी. : कृषि भूगोल की रूपरेखा, आविष्कार पब्लिकेशन, चौड़ा रास्ता, जयपुर ।
तिवाड़ी, आर.सी. एवं : कृषि भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद ।
सिंह, बी.एस.
गौतम, अलका : कृषि भूगोल, शारदा पुस्तक भवन, इलाहाबाद ।
शर्मा, पलक एवं भारद्वाज : कृषि भूगोल, रस्तौगी प्रकाशन, मेरठ ।
बी.एल.

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- V Session-2025-26
Paper Code- BGEO504/ HGEO506
Practical – V

Marks Distribution		(Hons)
Total Marks :	50 M	150 M
Minimum Passing Marks :	20 M	60M
	ESE (External)	30M
	CIA (Internal)	20M
1.) ESE	30 M	90M
(iii) Written Paper		
on Lab work (02 Hours) 4 (ques.) x 5 marks	20 M	(4x15)= 60 M
(Students will have to answer 4 ques. out of 8 ques. , selecting one question from each unit		
(ii) Record/File work and Viva-Voce (02 Hours) (7+3)	10 M	(21+9) =30 M
2.) CIA	20 M	60M
(i) Written test (01 hour) 2(ques.) x4 marks	08 M	(2x12) = 24M
(Students will have to answer any 2 ques. out of 4 ques.)		
(ii) Chart –Presentation (Making + Presentation) (6+2)	08 M	(18+6) = 24M
(iii) Practice Record work and Viva-Voce (1 hour) (3+1)	04 M	(9+3) = 12 M

Paper Outcomes

The students will be able to learn the construction of different types of Map Projections. The cartographical work helps the students to inculcate the knowledge of map making, their characteristics and uses. The interpretation of topographical sheets gives the insight view of topography and physical and cultural landscape.

Unit- I

Map Projection: Definition, classification and construction of Projections by Graphical Method.
Conical Projections - Simple Conical Projection with one Standard Parallel, Simple Conical Projection with two Standard Parallel, Bonne's Projection ,Polyconic Projection.

Unit- II

Cylindrical Projection - Simple Cylindrical Projection, Cylindrical Equal Area Projection, Mercator's Projection, Gall's Projection.

Unit- III

Zenithal Projections - Polar Zenithal Equidistant Projection ,Polar Zenithal Equal area Projection Gnomonic Polar Zenithal Projection, Stereographic Polar Zenithal Projection ,Orthographic Polar Zenithal Projection.

Unit –IV

Topographical Sheets: Definition, classification, Topographical Symbols, Interpretation of Indian topographical Sheets.

Note – Students will have to make a chart, which will be presented by student, and its marks will be added in CIA. Students are required to prepare any Geographical topic related chart on a 22X28 inch drawing sheet (ivory or Mount or Pastle drawing sheets).

Essential Readings :

- Mishra,R.N. Sharma, P.K. : Practical Geography, Pareek Publishers, Jaipur.
Singh, L.R. : Fundamentals of Practical Geography, ShardaPub. Prayagraj.
Khullar, D.R. : Essential of Practical Geography, Choukhamba Auriyantaliya.
Sharma, S.R. : Practical Geography, College Book Depot, Jaipur.
Crampton, J. : Mapping, Black well, Publications, Meerut, U.P.
Singh, R. L. : Elements of Practical Geography, Students Friends, Prayagraj.
Sarkar , Ashis : Practical Geography, A Systematic Approach, Orient Black Swan, Kolkata.
- शर्मा, जे.पी. : प्रायोगिक भूगोल, रस्तौगी पब्लिकेशन, मेरठ ।
अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल ।
राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर ।
खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर ।
जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा ।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- VI Session-2025-26
Paper Code- BGEO601/HGEO601
Paper – I World Geography

Marks Distribution			(Hons.)
TOTAL MARKS	=	50M	75M
ESE (End Semester Exam)	=	35M	54M
CIA (Continuous Internal Assessment)	=	15M	21 M
ESE contains Part -A and Part -B			
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	=	03M	3x2= 06 M
Student will have to locate 3 out of 5 in world map, supplied by exam centre			
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	=	04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.			
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	=	28M.	4x10 = 40 M
Maximum Marks	=	50M.	75M
Minimum Passing Marks	=	20 M	30M

Paper Outcomes

This paper enables students to grasp knowledge about energy resources, global industries, and the roles of major organizations worldwide. By studying this course, students will understand the utilization of diverse energy sources, the significance of global industries, and the impact of major organizations on the world's economy and society.

Unit-I

Contemporary Issues in World Geography: Globalization and economic development–Concepts, measurement and problems; Energy crisis and policies for development.

Unit-II

World Industries, Location patterns and Problems of Textile, Iron and Steel, Paper and Pulp, industries.

Unit-III

World Trade and Transport. Environment and Sustainable Development: Disaster Management – Types (Natural and man - made).

Unit-IV

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.

Essential Readings

- Hussain, M. : World Geography, Rawat Publications, New Delhi.
- Siddharth, K. : World Geography, Kitab Mahal, New Delhi.
- Gautam, Alka : Regional Geography of the World, Sharada Pustak Bhawan, Prayagraj.
- Mourya, S.D. : World Regional Geography, Pravalika Prakashan, Prayagraj.
- हुसैन, माजिद : विश्व भूगोल, रावत पब्लिकेशन, जयपुर।
- तिक्खा, आर.एन. : विश्व का प्रादेशिक भूगोल, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालंधर।
- सवेसना, एच.एम. : विश्व का प्रादेशिक भूगोल, रस्तोगी प्रकाशन, मेरठ।
- गौतम, अल्का : संसाधन भूगोल, शारदा पुस्तक भवन, प्रयागराज।
- मौर्य, एस.डी. : विश्व का प्रादेशिक भूगोल, प्रवालिका प्रकाशन, प्रयागराज।
- मामोरिया, चतुर्भुज : विश्व का प्रादेशिक भूगोल, साहित्य भवन पब्लिकेशन, आगरा।
- कानन, मोनिका, चौहान, देवेन्द्र सिंह : विश्व का भूगोल, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)

RAMBAGH CIRCLE, JAIPUR-302004

B.A./B.Sc. Geography- Semester- VI Session-2025-26

Paper Code- BGEO602/HGEO602

Paper – II Geographical Methodologies

Marks Distribution			(Hons.)		
TOTAL MARKS	=	50M	75M		
ESE (End Semester Exam)	=	35M	54M		
CIA (Continuous Internal Assessment)	=	15M	21 M		
ESE contains Part -A and Part -B					
Part-A (I) : 07 Ques. of short ans. (one word / 15 words) (compulsory)	7ques.x1 Mark	=	07M	14x1 = 14 M	
Student will have to attempt 4 out of 5 ques.					
Part- B : 04 Ques. (01 Q. from each unit with Internal choice)	=	4 x7 Marks	=	28M.	4x10 = 40 M
Maximum Marks	=	50M.			75M
Minimum Passing Marks	=	20 M			30M

Paper Outcomes

After completion of this paper, students will gain expertise in Geographical research methodology, including problem identification, data collection, and hypothesis formulation. They will also acquire knowledge of different sampling techniques and delimitation methods for agriculture, industrial regions, and city influence spheres.

Unit-I

Methodology: Problems of Geographical Research, Identification of Problems in Geography, Source and nature of data, collection and Data processing.

Unit-II

Hypothesis-Types and importance , Sampling : Types of Sampling, Sample Size, Need of Sampling.

Unit-III

Methods of Delimitation of Agriculture and Industrial Regions, Measurement of Agriculture Productivity and Agriculture Efficiency. Delimiting sphere of city Influence.

Unit-IV

Transportation – Network Models, Transport Cost, Connectivity and Accessibility, Morphometric analysis and applications.

Essential Readings

- Barsil, Gomes & JohnPaul : Research Method in Geography, Blackwell Publication, Meerut, U.P.
Gomes
Hagget & Chorely : Models in Geography, TMH, New Delhi.
Hagget, Peter : Geography, A Modern Synthesis, TMH, New Delhi.
Mahmood, A. : Quantitative Techniques in Geography, Jawahar Publication, NewDelhi.
Worting ten & Gant : Techniques of Map Analysis, Methuen, London.
हुसैन, एम. : भौगोलिक मॉडल, टाटा मैग्राहिल, न्यू देहली।
भारद्वाज, दिनेश चन्द्र : भौगोलिक प्रतिरूप निर्माण, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर।
गुप्ता, एस.पी, एवं : सांख्यिकीय विधियां, शारदा पुस्तक भवन, प्रयागराज।
गौतम, अल्का

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)

RAMBAGH CIRCLE, JAIPUR-302004

B.A./B.Sc. Geography- Semester- VI Session-2025-26

Paper Code- BGEO603/HGEO603

Paper – III Applied Geography

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 07 Ques. of short ans. (one word / 15 words) (compulsory)	7ques.x1 Mark	= 07M
Student will have to attempt 4 out of 5 ques.		14x1=14 M
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

Applied Geography is based on the philosophy of relevance or social usefulness that focuses on the application of Geographical knowledge and skills to advance resolution of real-world social, economic, and environmental problems.

Unit – I

Nature, scope and content of Applied Geography, Identification of problems of interdisciplinary nature, environment - resource base, resource-use, development and disparity.

Unit – II

Issues related to variations in Physical Environment, Variations land quality affecting agricultural productivity, Environmental degradation, Environmental disaster and Environmental management.

Unit – III

Issues related to human resource – quality and numbers; Social and Demographic issues; diversity and disparity: carrying capacity of the earth; human resources use and manpower planning.

Unit – IV

Issues related to economy; Spatial organisation of economic activities -agriculture, industry, transport, trade; Spatial inequalities – Causes and Consequences.

Essential Readings

- Zimmerman, E.W. : World Resources and Industries, Harper & Row Publisher, New York.
- Freeman, T.W. : Geography and Planning, Hutching Son Publisher, US.
- Grahman, E.H. : Natural Principles of Land Use, Oxford University Press, Jaipur.
- Stamp, L.D. : Applied Geography, Rhimer Publication, Gurgaon, Haryana.

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)

RAMBAGH CIRCLE, JAIPUR-302004

B.A./B.Sc. Geography- Semester- VI Session-2025-26

Paper Code- BGEO604/HGEO604

Paper – IV Contemporary Issues in Geography

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in world map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcomes

The study of this paper is important to understand the physical and human aspects of the world, we live in. This paper will help to know about the current issues and problems that are facing the society today.

Unit-I

Contemporary issues: Introduction, Physical Issues, Landslides, Flood, Drought, Ozone Depletion, Global warming, Climate change, Marine Pollution.

Unit-II

Ecological issues: Ecological issues with reference to India, Deforestation, Desertification, and Degradation of bio-diversity.

Unit-III

Social issues : Over population, Under population, Migration, Urbanization, Poverty, Food Security, Globalization, Regional Disparity with reference to India.

Unit-IV

Wars and Extremists activity, Infiltration in India, Oil & Water Politics and Nuclear Weapons.

Essential Readings

- Mamoriya, Chaturbhuj : Contemporary Issues in Geography, Sathya Bhawan and Kumar, Santosh Publication, Agra.
- Bhaduri, Sukla and : Contemporary Issues and Techniques in Geography, Basu, Ranjan Progressive Publishers.
- Melvin, Albaum : Geography and Contemporary Issues : Studies of Relevant Problems, Oxford Univ Press Publisher, New York (USA).
- बंसल, राजीव : भूगोल में समकालीन मुद्दे, एस.बी.पी.डी. पब्लिकेशन, आगरा |

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- VI Session-2025-26
Paper Code- BGEO605/HGEO605
Paper – V Geography of Tourism

Marks Distribution		(Hons.)
TOTAL MARKS	= 50M	75M
ESE (End Semester Exam)	= 35M	54M
CIA (Continuous Internal Assessment)	= 15M	21 M
ESE contains Part -A and Part -B		
Part-A (I) : 03 Ques. of Map (compulsory) 3 x1 Mark	= 03M	3x2= 06 M
Student will have to locate 3 out of 5 in world map, supplied by exam centre		
(II) : 04 Ques. of short ans. (one word / 15 words) (compulsory) 4ques.x1 Mark	= 04M	4x2 = 08 M
Student will have to attempt 4 out of 5 ques.		
Part- B : 04 Ques. (01 Q. from each unit with Internal choice) = 4 x7 Marks	= 28M.	4x10 = 40 M
Maximum Marks	= 50M.	75M
Minimum Passing Marks	= 20 M	30M

Paper Outcome

The paper's objectives are to familiarize the students with aspects of tourism which have a relation with the subject matter of Geography. Through the course, student will able to understand the impact of tourism on physical and human environments.

Unit-I

Definition, history, nature, scope and significance of tourism, Factors affecting tourism, Types of tourism, tourism season, Tourist –Domestic & Foreign, positive and negative Impacts of tourism.

Unit-II

Global tourism – Historical development of tourism, Recent trends of tourism , Tourist attractions in the world. Barriers to the growth of tourism. Conservation of World natural heritage sites.

Unit-III

Tourism in India – Importance of tourism in India, Tourist destinations, Tourism organizations in India, Challenges to the growth of tourism in India, National tourism policy.

Unit-IV

Tourism in Rajasthan - Attractions and Facilities tourism encouragement programmes in Rajasthan. Protection of tourists sites.

Essential Readings

- Cos Rove, I. and Jackson, R. : The Geography of Recreation and Leisure, Hutchinson University, London.
- Mcintosh, K.W. : Tourism Principles, Practices Philosophies, Grid Inc.
- Kumar, Pradeep, Kumar, Anil : Cultural Tourism in India, Aayu Publications, New Delhi.
- व्यास, राजेश कुमार : पर्यटन उद्भव एवं विकास, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर।

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- VI Session-2025-26
Paper Code- BGEO606/HGEO607
Paper – VI PROJECT

Total Marks	50 Marks
- ESE(End Semester Exam)	35 Marks
1. Significance of title and topic	07 Marks
2. Data Collection and Techniques	07 Marks
3. Analysis and Explanation	07 Marks
4. Map and Diagrams	07 Marks
5. Conclusion and Suggestion	07 Marks
- Oral Department Presentation and Viva-Voce	(10+5)

Academic Projects Benefits

- **Encouraging Creativity and Innovation:** Projects enable students to showcase their creativity and innovative ideas in addressing real-world challenges.
- **Application of Classroom Learning:** Students learn to apply theoretical knowledge from the classroom to practical scenarios, enhancing their understanding and problem-solving skills.
- **Cultivating Research Aptitude:** Undertaking projects using modern tools and techniques helps inculcate a research-oriented mindset among students.
- **Valuable Tool for Learning:** Projects serve as a valuable learning tool to comprehend and tackle dynamic global phenomena.

Project Details

- **Scope and Subjects:** Projects can focus on social, economic, agricultural, industrial, or geographical issues.
- **Group Size:** Each student can work separately on Project under the guidance of subject expert.
- **Project Report:** Candidates are required to prepare a detailed project report, comprising a minimum of 25 to 30 pages.
- **External Evaluation:** The project report will be assessed and marked by an external examiner.

S.S.JAIN SUBODH P.G. COLLEGE (AUTONOMOUS)
RAMBAGH CIRCLE, JAIPUR-302004
B.A./B.Sc. Geography- Semester- VI Session-2025-26
Paper Code- BGEO607/ HGEO608
Practical – VI

Marks Distribution		(Hons)
Total Marks :	50 M	150 M
Minimum Passing Marks :	20 M	60M
	ESE (External) 30M	90M
	CIA (Internal) 20M	60 M
1.) ESE	30 M	90M
(i) Written Paper		
on Lab work (02 Hours) 4 (ques) x 3 marks	12 M	(4 x 9) = 36 M
(Students will have to answer 4 ques. out of 8 ques. , selecting one question from each unit)		
(ii) Field Survey and viva-voce (7+3)	10M	(21+9) = 30M
(iii) Record/File work and Viva-Voce (02 Hours) (5 +3)	8M	(15 +9) = 24M
2.) CIA	20 M	60M
(i) Written test (01 hour) 2(ques.) x4 marks	08 M	(2x12) = 24M
(Students will have to answer any 2 ques. out of 4 ques.)		
(ii) Model making (6+2)	08 M	(18+6) = 24 M
(ii) Practice Record work and Viva-Voce (1 hour) (3+1)	04 M	(9 +3) = 12 M

Paper Outcome

This paper will help the students to understand the basic concept of Remote sensing and GIS. Remote sensing has led to the invention of various new technologies which provides tools for studying the world resource mapping, city planning, town planning etc.

Unit-I

Plane Table Survey: Introduction to the techniques of field Survey in Geography. Importance of Plane Table Surveying, Characteristics and stages of Surveying, Study of the instruments used in the survey. Merits and Demerits of Plane Table Survey.

Unit-II

Plane Table Survey Exercise - Methods of using Plane Table Survey – Open Traverse and Closed Traverse , Intersection Method, Radiation Method , Resection Method.

Unit-III

Indian Pattern Clinometer - Introduction, parts and methods and uses.

Two exercises – Elevation and depression (Both methods - Accessible and Inaccessible)

Unit-IV

Remote Sensing and GIS - Introduction to Remote Sensing and Aerial photography : Definition, components and overview of Remote Sensing, History of Remote Sensing, EMR, Remote Sensing Platforms and Imaging Interpretation keys. **GIS and GPS** – Preliminary Introduction..

Note – Students (group of maximum 10 students) will have to create a model (Working or Non-working), which will be presented by any member of group /group leader and its marks will be added in CIA.

Essential Readings

- Mishra,R.N. : Practical Geography, Pareek Publishers, Jaipur.
Sharma, P.K.
Singh, L.R. : Fundamentals of Practical Geography, Sharda Publication, Prayagraj.
Khullar, D.R. : Essential of Practical Geography, Choukhamba, Auriyantaliya.
Sharma, S.R. : Practical Geography, College Book Depot, Jaipur.
Crampton, J. : Mapping, Black well, Publications, Meerut, U.P.
Singh, R. L. : Elements of Practical Geography, Students Friends, Prayagraj.
Sarkar , Ashish : Practical Geography, A Systematic Approach, Orient Black Swan, Kolkata.
- शर्मा, जे.पी. : प्रायोगिक भूगोल, रस्तौगी पब्लिकेशन, मेरठ ।
अय्यर, एन.पी. : सर्वेक्षण, मध्यप्रदेश हिन्दी ग्रंथ अकादमी, भोपाल ।
राव, बी.पी. : प्रायोगिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर ।
खुल्लर, डी.आर. : प्रयोगात्मक भूगोल के तत्व, न्यू एकेडमिक पब्लिशिंग कम्पनी, जालन्धर ।
जैन एवं मामोरिया : प्रयोगात्मक भूगोल एवं मानचित्रांकन, साहित्य भवन, आगरा ।
