

**University of Rajasthan
Jaipur**

SYLLABUS

UG 9101-Three/Four Year B. A.

UG 0802 - Three/Four Year B. Sc. (Bio Group)

UG 0803 - Three/Four Year B. Sc. (Maths Group)

SUBJECT: GEOGRAPHY

B.A./B.Sc. I & II Semester

(2024-25)



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JAIPUR

SEMESTER WISE PAPER TITLES WITH DETAILS

Three / Four Year U.G. Programme in Social Science / Science Subject: Geography									
S. No.	Level	Semester	Type	Title	Credits				Contact Hours
					L	T	P	Total	
1.	5	I	MJR	GEO-51T-101 Physical Geography-I	4	0	0	4	4
2.	5	I	MJR	GEO-51P-102 Practical-I	0	0	2	2	4
3.	5	II	MJR	GEO-52T-103 Human Geography	4	0	0	4	4
4.	5	II	MJR	GEO-52P-104 Practical-II	0	0	2	2	4

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Syllabus

B. A. (UG 9101) / B. Sc. Biology (UG 0802) / B. Sc. Maths (UG 0803)

Semester I (2023-24)

GEO-51T-101- Physical Geography-I

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-51T-101	Physical Geography-I	5	4
Types of the Course	Delivery type of the Course		
Major	Lecture, 60 Lectures including diagnostic and formative assessments during lecture hours		
Prerequisites	Central Borad of Secondary Education or Equivalent		
Objectives of the Course	To attain knowledge in detail about physical geography and associated branches.		

**Note:- There will be no internal Assessment and mid-term exam for Non-collegiate (NC) students. The main theory exam for NC Students will be out of 100 maximum marks.*

Duration- 3 Hours

Max. Marks- 20+80 (100)

Min. Marks- 8+32 (40)

Pattern of Examination	Bifurcation of Marks	
	Regular Students	NC Students
Part A	10 × 2= 20	10 × 2= 20
Part B	15 × 4=60	20 × 4= 80
Total	80	100

**Note:*

- 1. Internal assessment will be as per University Norms.*
- 2. End Semester Examination question paper will comprise of two parts: Part A and PartB.*
- 3. Part A will comprise of TWO questions consisting Map Work and Multiple-Choice Questions (MCQs)/ Short Answer type questions.*



4. Part B will comprise of FOUR descriptive questions with Internal choice from each unit.
5. In all student will have to attempt total 6 questions, 2 questions from Part A and 4 questions from Part B.

Syllabus

Unit – I

Definition, Scope & Development of Physical Geography; Origin of the Earth- The Big-Bang Hypothesis, The Interstellar Dust Hypothesis; Geological History of the Earth; Origin of the Continents & Oceans- Continental Drift Theory; Plate Tectonic Theory.

भौतिक भूगोल की परिभाषा, क्षेत्र और विकास; पृथ्वी की उत्पत्ति— बिग-बैंग परिकल्पना, अंतरतारक धुलि परिकल्पना; पृथ्वी का भूगर्भिक इतिहास; महाद्वीपों एवं महासागरों की उत्पत्ति—महाद्वीपीय विस्थापन सिद्धान्त; प्लेट विवर्तनिकी सिद्धान्त।

Unit – II

Interior of the Earth; Earth Movements –Endogenetic & Exogenetic; Isostasy – views of Airy, Pratt & Holmes; Volcanoes & Earthquakes.

पृथ्वी की आंतरिक संरचना; पृथ्वी की हलचलें—अंतर्जात एवं बहिर्जात; भूसंतुलन—एयरी, प्राट एवं होम्स के मत; ज्वालामुखी व भूकंप।

Unit – III

Mountain Building Theories– Kober & Holmes; Rocks– Classifications & Characteristics; Denudation- Erosion & Weathering; Cycle of Erosion– views of W.M. Davis & W. Penck. Drainage System & Pattern.

पर्वत निर्माणकारी सिद्धान्त—कोबर एवं होम्स; चट्टानें—वर्गीकरण एवं विशेषताएँ; अनाच्छादन—अपरदन एवं अपक्षय; अपरदन चक्र—डब्ल्यू. एम. डेविस और डब्ल्यू. पेंक के विचार; अपवाह तन्त्र एवं प्रतिरूप।

Unit – IV

Erosional & Depositional Work and Topographies of River, Underground Water, Glaciers, Wind & Oceanic Waves.

नदी, भूमिगत जल, हिमनद, पवन और समुद्री लहरों के अपरदनात्मक व निक्षेपणात्मक कार्य एवं स्थलाकृतियाँ।

Recommended Readings:

- Bloom, A. L. (2003). Geomorphology: A Systematic Analysis of Late Cenozoic Landforms. New Delhi: Prentice-Hall of India.



- Christopherson, Robert W. (2011). Geo-systems: An Introduction to Physical Geography 8 Ed. England: Macmillan Publishing Company.
- Ernst, W.G. (2000). Earth systems: Process and Issues. Cambridge: Cambridge University Press.
- Gautam, A. (2010). Bhautik Bhugol. Meerut: Rastogi Publications.

- Kale, V. S. and Gupta, A. (2001). Introduction to Geomorphology. Hyderabad: Orient Longman.
- Selby, M.J. (2005). Earth's Changing Surface. United Kingdom: OUP.
- Singh, S. (2009). Bhautik Bhugol ka Swaroop. Allahabad: Prayag Pustak.
- Skinner, Brian J. and Stephen, C. (2000). The Dynamic Earth: An Introduction to physical Geology, John Wiley and Sons.
- Strahler, A.N. and Strahler, A.H. (2005). Modern Physical Geography. John Wiley & Sons. Revised edition.
- Thornbury, W. D. (1968). Principles of Geomorphology. Wiley.

Course Learning Outcomes:

By the end of the course, students should be able to:

1. Identify the concepts of Origin of Earth and landforms
2. Illustrate the different forces acting over the Earth.
3. Compare and analyze the different cycles of landform erosion and their processes
4. Build competency and academic excellence for competitive exams

GEO-51P-102- Practical-I

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-51P-102	Practical-I	5	2
Types of the Course	Delivery type of the Course		
Major	60 contact hrs- Laboratory lectures and field study including diagnostic and formative assessments during lecture hours		
Prerequisites	Central Board of Secondary Education or Equivalent		
Objectives of the Course	To make the students understand about the relief features through scale and surveying methods.		

- * **Note:** - 1. *It is compulsory for the Non-collegiate students to attend 48 hours practical training camp. One batch of practical training camp will comprise of maximum 30 students per batch.*
2. *There will be no internal Assessment and mid-term exam for Non-collegiate (NC) students. The main practical exam for NC Students will be out of 50 maximum marks.*

Duration- 4 Hours

Max. Marks- 10+40 (50)

Min. Marks- 4+16 (20)

Pattern of Examination	Bifurcation of Marks		Time
	Regular Students	NC Students	
Written Test	4 × 5 = 20	4 × 7.5 = 30	2 Hours
Field Survey and Viva-Voce	7+3	7+3	2 Hours
Record Work and Viva-Voce	7+3	7+3	
Total	40	50	4 Hours



***Note-**

1. The students will have to prepare **A3 Size Record Book** which will be simultaneously checked by the Teacher in the class after teaching and evaluated during the examinations.
2. There will be 6 questions (3 questions from each unit) in written paper. The students have to attempt 4 questions in total (2 questions from each unit).
3. The student will have to prepare Survey Sheet **INDIVIDUALLY** during the examination.
4. Simple Calculator is permitted in practical examination.

Unit – I

Definition and Conversion of Scale; Graphical Scale - Simple, Comparative & Diagonal; Methods of Relief Representation: Hachure, Hill-shading, Bench mark, Spot- Height, Form-lines & Contours.

मापनी की परिभाषा और रूपान्तरण; आलेखी मापक— सरल, तुलनात्मक और विकर्ण; उच्चावच निरूपण की विधियाँ— हैब्यूर, पर्वतीय छायाकरण, तल चिन्ह, स्थानिक ऊँचाई, आकृति रेखाएँ एवं समोच्च रेखाएँ।

Unit – II

Profiles: Definition and Types- Serial, Superimposed, Projected and Composite;

Surveying: Meaning, Classification and Significance; Chain and Tape Surveying: Open Traverse and Tie-line.

परिच्छेदिकाएँ—परिभाषा एवं प्रकार—संक्रम, अध्यारोपित, प्रक्षिप्त एवं मिश्रित;

सर्वेक्षण: अर्थ, वर्गीकरण एवं महत्व; जरीब—फीता सर्वेक्षण: खुली मालारेख विधि एवं योजक रेखा।

Recommended Readings:

- Monkhouse, F. J. and Wilkinson, H. R. (1973). Maps and Diagrams. London: Methuen.
- Rhind, D. W. and Taylor, D. R. F. (2000). Cartography: Past, Present and Future. International Cartographic Association.
- Robinson, A. H., (2009). Elements of Cartography. New York: John Wiley and Sons.

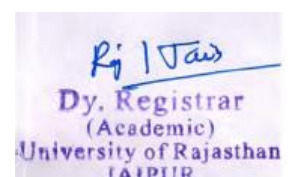
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- Robinson, A.H. (2000). Elements of Cartography. U.S.A.: John Wiley & Sons.
- Sarkar, A. K. (2005). Practical Geography: A Systematic Approach. Calcutta: Oriental Longman.
- Sharma, J. P. (2010). Prayogik Bhugol. Meerut: Rastogi Publishers.
- Singh, R.L. and Dutt, P.K. (2010). Elements of Practical Geography. New Delhi: Kalyani Publishers.

Course Learning Outcomes:

By the end of the course, students should be able to:

1. To make students aware about the measurements and representative distances.
2. To develop skills and competency regarding area analysis and map making with relief features.



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Syllabus

B. A. (UG 9101) / B. Sc. Biology (UG 0802) / B. Sc. Maths (UG 0803)

Semester II (2023-24)

GEO-52T-103- Human Geography

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-52T-103	Human Geography	5	4
Types of the Course	Delivery type of the Course		
Major	Lecture, 60 Lectures including diagnostic and formative assessments during lecture hours		
Prerequisites	Central Borad of Secondary Education or Equivalent		
Objectives of the Course	To provide understanding of numerous dimensions of human geography and cultural landscapes from global to local level.		

**Note:- There will be no internal Assessment and mid-term exam for Non-collegiate (NC) students. The main theory exam for NC Students will be out of 100 maximum marks.*

Duration- 3 Hours

Max. Marks- 20+80 (100)

Min. Marks- 8+32 (40)

Pattern of Examination	Bifurcation of Marks	
	Regular Students	NC Students
Part A	10 × 2= 20	10 × 2= 20
Part B	15 × 4=60	20 × 4= 80
Total	80	100

**Note:*

- 1. Internal assessment will be as per University Norms.*
- 2. End Semester Examination question paper will comprise of two parts: Part A and Part B.*
- 3. Part A will comprise of TWO questions consisting Map Work and Multiple-Choice Questions (MCQs)/ Short Answer type questions.*
- 4. Part B will comprise of FOUR descriptive questions with Internal choice from each unit.*

5. In all student will have to attempt total 6 questions, 2 questions from Part A and 4 questions from Part B.

Syllabus

Unit I

Human Geography: Definition, Nature, Scope and Principles; Inter-disciplinary approach; Understanding of Cultural landscape; Man- Nature Relationship: Determinism, Possibilism, Neo-Determinism.

मानव भूगोल— परिभाषा प्रकृति, विषय-क्षेत्र तथा सिद्धान्त; अंतर्विषयक दृष्टिकोण; सांस्कृतिक भूदृष्य की समझ; मानव-प्रकृति का संबंध— निष्चयवाद, संभववाद, नव-निष्चयवाद।

Unit II

Cultural regions; Race: Basis of Classification, Griffith Taylor's Classification; Tribes-Eskimo, Bushman, Pygmy, Santhal, Naga & Bhil; Religious and Linguistics Composition of World Population.

सांस्कृतिक प्रदेश; प्रजाति: वर्गीकरण का आधार, ग्रिफिथ टेलर का वर्गीकरण; जनजातियाँ— एस्किमो, बुषमैन, पिग्मी, संथाल, नागा व भील; विश्व की जनसंख्या का धार्मिक तथा भाषाई संरचना।

Unit III

World Population: Growth, Distribution, Density, Sex-Ratio & Literacy; Population Growth Theory: Malthusian & Demographic Transition Theory; Human Development Index (HDI).

विश्व जनसंख्या— वृद्धि, वितरण, घनत्व, लिंगानुपात तथा साक्षरता; जनसंख्या वृद्धि के सिद्धान्त: माल्थस तथा जनसंख्या संक्रमण सिद्धान्त; मानव विकास सूचकांक (एच.डी.आई.)।

Unit IV

Migration: Factors, Types and Consequences, Griffith Taylor's Zonal Strata Migration Theory; World Urbanisation: Trends and Patterns; Settlements- Types and Patterns; Christallers's Central Place Theory.

प्रवासन: कारक, प्रकार व परिणाम, ग्रिफिथ टेलर का प्रवास कटिबंध सिद्धान्त; विश्व नगरीकरण: प्रवृत्ति एवं प्रारूप; आवास— प्रकार एवं प्रतिरूप; क्रिस्टलर का केन्द्रीय स्थल सिद्धान्त।

Recommended Readings:

- Bergwan, Edward E. (1995). Human Geography: Culture, Connections and Landscape. New Jersey: Prentice-Hall.
- Carr, M. Patterns. (1987). Process and change in Human Geography. London: MacMillan Education.
- Chandna, R.C. (2010). Population Geography. New Delhi: Kalyani Publisher.
- DeBlij, H.J. (2000). Human Geography, Culture, Society and Space. New York: John Wiley.
- Fellman, J.L. (1997). Human Geography: Landscapes of Human Activities. USA: Brown and Benchman Pub.



- Hassan, M.I. (2005). Population Geography. Jaipur: Rawat Publications.
- Hussain, Majid (2012). Manav Bhugol. Jaipur: Rawat Publications.
- Johnston, R.J. (2000). Dictionary of Human Geography. New York: Oxford.
- Kaushik, S.D. (2010). Manav Bhugol. Meerut: Rastogi Publication.
- Maurya, S.D. (2012). Manav Bhugol. Allahbad: Sharda Pustak Bhawan.
- McBride, P.J. (2000). Human Geography Systems, Patterns and Change. U.K.
- Michael, Can. (1997). New Patterns: Process and Change in Human Geography.
- Singh, K.N. (2000). People of India. An Introduction Seagull Books.

Course Learning Outcomes:

By the end of the course, students will be able to:

1. Identify branches of human geography and distinguish between the different concepts of man environment relationship.
2. Classify the different tribes of the world and use various factors to interpret the spatial distribution of population.
3. Visualize the various patterns of migration, settlements and summarize the major problems of urbanisation in World.

GEO-52P-104- Practical-II

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-52P-104	Practical-II	5	2
Types of the Course	Delivery type of the Course		
Major	60 contact hrs- Laboratory lectures and field study including diagnostic and formative assessments during lecture hours		
Prerequisites	Central Borad of Secondary Education or Equivalent		
Objectives of the Course	To make the students understand about the relief representation techniques and weather data representations.		

- * **Note: - 1.** *It is compulsory for the Non-collegiate students to attend 48 hours practical training camp. One batch of practical training camp will comprise of maximum 30 students per batch.*
2. *There will be no internal Assessment and mid-term exam for Non-collegiate (NC) students. The main practical exam for NC Students will be out of 50 maximum marks.*

Duration- 4 Hours

Max. Marks- 10+40 (50)

Min. Marks- 4+16 (20)

Pattern of Examination	Bifurcation of Marks		Time
	Regular Students	NC Students	
Written Test	4 × 5 = 20	4 × 7.5 = 30	2 Hours
Model / chart and Viva-Voce	7+3	7+3	2 Hours
Record Work and Viva-Voce	7+3	7+3	
Total	40	50	4 Hours

***Note-**

1. The students will have to prepare **A3 Size Record Book** which will be simultaneously checked by the Teacher in the class after teaching and evaluated during the examinations.
2. There will be 6 questions (3 questions from each unit) in written paper. The students have to attempt 4 questions in total (2 questions from each unit).
3. The student will have to prepare Model/Chart **INDIVIDUALLY** form the practical syllabus of Geography and have to submit during the examination.
4. Simple Calculator is permitted in practical examination.

Unit – I

Representation of Relief features through Contours and description – Conical hill, Plateau, Ridge, Cliff, Escarpment, Gorge, Waterfall, V-shaped valley, U- shaped valley and Hanging valley, Types of Slopes- Gentle, Steep, Uniform, Undulating and Terraced; Lake, Caldera, Spur.

समोच्च रेखाओं के माध्यम के द्वारा उच्चावच निरूपण एवं उनका वर्णन— शंक्वाकार पहाड़ी, पठार, कटक, भृगू, कगार, महाखड्ड, जलप्रपात, वी-आकार की घाटी, यू-आकार की घाटी तथा लटकती घाटी, ढाल के प्रकार— मंद, तीव्र, समान, असमान तथा सीढीनुमा; झील, काल्डेरा, पर्वतस्कंध।

Unit – II

Graphs: Hythergraph, Climograph, Climatograph & Water budget graph; Wind Rose. Weather instruments with description and diagrams, Weather Symbols, Interpretation of Indian Daily Weather maps (July and January).

ग्राफ: हीदरग्राफ, क्लाइमोग्राफ, क्लाइमेटोग्राफ एवं जल बजट ग्राफ, पवन आरेख। मौसम उपकरणों का चित्रण एवं वर्णन, मौसम प्रतीक चिन्ह, भारतीय दैनिक मौसम मानचित्र की व्याख्या (जुलाई और जनवरी)।

Recommended Readings:

- Misra, R.P & Ramesh. (1986). A Fundamentals of Cartography. New Delhi: McMillan Co.
- Monkhouse, F. J. and Wilkinson, H. R. (1973). Maps and Diagrams. London: Methuen.
- Rhind, D. W. and Taylor, D. R. F. (2000). Cartography: Past, Present and Future. International Cartographic Association.
- Robinson, A. H., (2009). Elements of Cartography. New York: John Wiley and Sons.
- Robinson, A.H. (2000). Elements of Cartography. U.S.A.: John Wiley& Sons.
- Sarkar, A. K. (2005). Practical Geography: A Systematic Approach. Calcutta: Oriental Longman.
- Sharma, J. P. (2010). Prayogic Bhugol. Meerut: Rastogi Publishers.
- Singh, R.L. and Dutt, P.K. (2010). Elements of Practical Geography. New Delhi: Kalyani Publishers.

Course Learning Outcomes:

By the end of the course, students will be able to:

1. Develop skills and competency regarding statistical analysis and representation of geographical data.
2. Understand about the weather instruments and various climatic conditions.

