

**University of Rajasthan
Jaipur**

SYLLABUS

Three / Four Year U.G. Programme in Arts/ Science

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


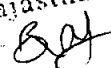
SUBJECT: GEOGRAPHY

(2023-24)

Rj / Tan
Dy. Registrar
(Academic)
University of Rajasthan
JAIPUR *[Signature]*

SEMESTER WISE PAPER TITLES WITH DETAILS

Three / Four Year U.G. Programme in Arts/ 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

Duration- 3 Hours

Max. Marks- 20+80

Min. Marks- 8+32

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.		

Raj Jais
Dy. Registrar
(Academic)
University of Rajasthan
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Syllabus

GEO-51T-101- Physical Geography-I

Duration- 3 Hours

Max. Marks- 20+80

Min. Marks- 8+32

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.

Unit – II

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

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.

Unit – IV

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

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

Rj / Jao
Registrar
University of Jammu
Jammu

GEO-51P-102- Practical-I

Duration- 4 Hours

Max. Marks- 10+40

Min. Marks- 4+16

Pattern of Examination	Bifurcation of Marks	Time
Written Test	20	2 Hours
Field Survey and Viva-Voce	7+3	2 Hours
Record Work and Viva-Voce	7+3	

**Note-*

1. The students will have to prepare A4 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 out of which student have to compulsorily attempt 2 questions from each unit.
3. The student will have to prepare Survey Sheet **INIVIDUALLY** during the examination.
4. Simple Calculator is permitted in practical examination.

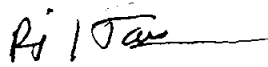
Code of Course	Title of the Course	Level of the Course	Credits of the Course
	Practical-I	5	2
Types of the Course	Delivery type of the Course		
Major	60 contact hrs- Laboratory lectures and field study including diagnostic and formative assessments during lecture hours		
Prerequisites	Central Borad of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

Unit – I

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

Unit – II

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.


Dy. Registrar
 (Academic)
 University of Jammu
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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.
- 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.

Aj/Jain
Dy. Registrar
(Academic)
University of Rajasthan
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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

Duration- 3 Hours

Max. Marks- 20+80

Min. Marks- 8+32

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.		

Unit I

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

Unit II

Cultural regions; Race (Griffith Taylor's Classification), Tribes-Eskimo, Bushman, Pygmy, Santhal, Nagas, Bhil. Religious and Linguistics composition of World Population.

Unit III

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

Unit IV

Factors, Types and Consequences of Migration, Griffith Taylor's Migration Theory. Trends and Patterns of Urbanisation of the World. Settlements- Types and Patterns. Christallers's Central Place Theory.

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.

RJ / Jaw
By Registrar
Date: 10/10/2018
Signature: [Signature]

GEO-52P-104- Practical-II

Duration- 4 Hours

Max. Marks- 10+40

Min. Marks- 4+16

Pattern of Examination	Bifurcation of Marks	Time
Written Test	20	2 Hours
Field Survey and Viva	7+3	2 Hours
Record and Viva	7+3	

***Note-**

1. The students will have to prepare A4 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 out of which student have to compulsorily attempt 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.

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 attain the knowledge about the geographical data representation with the help of cartographical skills.		

Unit – I

Definition and Types of Profiles: Serial, Superimposed, Projected and Composite. Weather instruments with description and diagrams, Weather Symbols, Interpretation of Indian daily Weather maps (July and January).

Unit – II

Graphs: Hythergraph and Climograph, Climatograph, Water budget graph, Wind rose. Surveying: Meaning, Classification and Significance. Chain and Tape Surveying: Open Traverse and Tie-line.

Raj Jaiswal
 By Registrar
 (Academic)
 University of Rajasthan
 JAIPUR *Ray*

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.

Raj Tas
By Registrar
(Academic)
University of Rajasthan
Jaipur
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