



**MAHARAJA SURAJMAL BRIJ UNIVERSITY
BHARATPUR (RAJASTHAN)**

SYLLABUS

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

(Syllabus for Regular as well as Non collegiate students)

SUBJECT: GEOGRAPHY

(2025-26 & onwards)

As per NEP 2020

सुनील
उप कुलसचिव
महाराजा सुरजमल ब्रिज विश्वविद्यालय
भरतपुर (राज.)

SEMESTER WISE PAPER TITLES WITH DETAILS

Three/Four Year U.G. Programme in Arts/Science									
Subject: Geography									
Sr, No.	Level	Semester	Type	Title	Credits				Contact Hours
					L	T	P	Total	
1	5	V	MJR	GEO-10T-501 World Regional	4	0	0	4	4
2	5	V	MJR	GEO-10P-502 Practical —I	0	0	2	2	4
3	5	VI	MJR	GEO-10T-601 Geography of Rajasthan	4	0	0	4	4
4	5	VI	MJR	GEO-10P-602 Practical — II	0	0	2	2	4




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Syllabus
B. A. (UG-9101)
Semester V (2025-26)
GEO-- World Regional Geography —I

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-10T-501	World Regional 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 Board of Secondary Education or Equivalent		
Objectives of the Course	To attain knowledge in detail about physical geography and associated branches.		

Duration- 3 Hours

Max. Marks- 20+80

Min Marks- 8+32

Pattern of Examination	Bifurcation of Marks
Part A	10 x 2=20
Part B	15 x 4=60
Total	80

**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 students will have to attempt total 6 questions, 2 questions from Part A and 4 questions from Part B.*

Syllabus

Unit-I

Region: Concept and Classification, Major Physiography Regions, World Climatic Regions. Soil and Vegetation.

Unit-II

Asia: Physiography, Drainage, Climate, Natural Vegetation, Soil, Population
Major Economic Aspects- Crops (Rice, Wheat, Tea, Sugarcane), Minerals (Iron Ore, Coal, Petroleum)

Industrial Regions- China, Japan
Specific Study- Trans-Siberian Railways

Unit -III

.Europe- Physiography, Drainage, Climate. Natural Vegetation, Soil, Population Major Economic Aspects --Industries (Iron & Steel, Automobile, Textile)
Industrial Regions- France, Germany and UK
Specific Study- Fisheries and Mediterranean Agriculture

Unit-IV

North America- Physiography, Drainage, Climate. Natural Vegetation, Soil, Population
Major Economic Aspects- Power Resources (Coal, Petroleum Hydroelectricity), Crops (Maize, Wheat)

Industrial Regions of USA and Canada
Specific Study- Panama Canal

'Recommended Readings:

- Cole, J., 1996. A Geography of the World's Major Regions, Routledge, London.
- Deblij, H.J., 1994, Geography: Regions **and** Concepts, John Wiley, New York.
- Dickenson,..I.P. et al, 1996. The Geography of the Third World. Routledge.. London
- Gourou, P., 1980. The Tropical World, Longman, London,
- Jackson. R.H. and Hudnian, L.E., 1991. World Regional Geography: Issues for Today, John Wiley. New York.
- Kolb, A., 1977. East Asia Geography of a Cultural Region
- Mathuen London. Minshull, G.N., 1984 Western Europe, Hoddard & Stoughton New York,
- PatterSon, J.H., 1985. Geography of Canada and the United States, Oxford University Press.
- Songquiao, Z., 1994. Geography of China, John Wiley. New York.
- Ward P. W. and Miller, A. 1989. World Regina' Geography: A Question of Place. John Wiley.. New York,

Course Learning Outcomes:

By the end of the course students should be able to

CEO- Practical - I

Code of Course 10P-502	Title of the Course	Level of the Course	Credits of the Course
	Practical –1	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 relief representation techniques.		

* Note: - 1. Each practical batch of 40 students will be allotted a teaching of 24 hours per week for practical.

2. It is compulsory for the non-collegiate students to attend 24 hours practical training camp. One batch of practical training camp will comprise of maximum 40 students per batch.

Duration- 4 Hours

Max. Marks- 10+40

Min Marks- 4+16

Pattern of Examination	Bifurcation of Marks		Time
Written Test	20	30	2 Hours
Field Survey and Viva Voce	7+3	7+3	2 Hours
Record Work and Viva- Voce	7+3	7+3	

**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 (1 questions from each unit) in written paper out of which student have to compulsorily attempt 4 questions from all 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 of map projection, necessity of map projection and brief history of map projection.

Earth's Grid System and Scale of Projection, Classification of Projections.

Unit-II

Conical projection (Graphical method) –

- one standard parallel
- two standard parallel
- Bonne's projection
- Polyconic projection

Unit-III

Cylindrical projection (Graphical method) –

- Perspective cylindrical projection
- Cylindrical equidistant projection
- Cylindrical equal-area projection
- Cylindrical orthomorphic projection or Mercator's projection
- Gall's stereographic projection

Unit-IV

Plane Table Survey- Introduction and Instruments, Process of Surveying, Methods of Surveying (Radiation and Intersection), Traversing (Open and Closed)

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.**
- **Course Learning Outcomes:**

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

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Syllabus
B. A. (UG 9101)
Semester VI (2025-26)
GEO- Geography of Rajasthan

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-10T-601	Geography of Rajasthan	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 Board of Secondary Education or Equivalent		
Objectives of the Course			

Duration- 3 Hours

Max Marks- 20+80

Min. Marks- 8+32

Pattern of Examination	Bifurcation of Marks
Part A	10X2=20
Part B	15X4=60
Total	80

**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.
Part A will comprise of TWO questions consisting Map Work and Multiple-Choice Questions (MCQs)/ Short Answer type questions.
3. Part B will comprise of FOUR descriptive questions with Internal choice from each unit
4. All students will have to attempt total 6 questions. 2 questions from Part A and 4 questions from Part B.

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उप कुलसचिव
महाराजा सुखमल बुज विश्वविद्यालय
जयपुर (सज.)

Syllabus

Unit-I

Rajasthan Location & Extent, Climate: factors affecting climate, seasons, classification of Climate (Koppen & Thornthwaite)

Unit-II

Drainage system. Types & Conservation of Soils, Natural vegetation (forests, shrubs & grasslands); Wildlife Sanctuaries & National Parks) Livestock- (types & distribution)

Unit-III

Mineral resources -Iron ore, Manganese, copper, Tungsten, Bauxite, Gold & Silver, Zinc-lead Non-metallic- Mica, limestone, Dolomite, Asbestos Gypsum
Energy resources- Conventional & Non-Conventional
Industries- Textile, (Cotton & Cement Sugar industries Marble & Sandstone industries. Tourism.

Unit-IV

Population - Growth, Distribution, Density, Literacy. Sex-ratio Study of Bhil. Meena & Garasia Desertification- (causes, problems & solutions) Dairy Development Programme. Mukhyamantari Jal Swavlamban Yojna

Recommended Readings:

- Bhalla, L.R. (2010). Rajasthan ka Bhugol. Jaipur: RBD Publication.
- Gupta & Prakash. (1979). Environmental Analysis of Thar Desert. Dehradun: English Books Depot.
- Misra, V.C. (1977). Geography of Rajasthan. New Delhi: NBT.
- Roonwal, M.L. (1977). Natural Resources of Rajasthan Vols. 1 & II. University of Jodhpur.
- Sharma, R.C. (1972). Settlement Geography of the India Desert. New Delhi: Korwar Brother.
- Sharma, R.C. (2000). Settlement Geography of the India Desert. New Delhi: Korwar Brother.
- Singh, R.L. (2000). India: A Regional Geography. Varanasi: National Geographical Society of India

Course Learning Outcomes:

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

1. Classify and understand the physiographic divisions of Rajasthan.
2. Discussion about the agricultural regions and contribution of multipurpose projects in Rajasthan.
3. List the major metallic, non metallic resources and correlate with industrial development of the state
4. Build competency and academic excellence about the competitive exams.

GEO Practical II

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-10P-	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 Board of Secondary Education or Equivalent		
Objectives of the Course			

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2. It is compulsory for the non-collegiate students to attend 24 hours practical training camp. One batch of practical training camp will comprise of maximum 40 students per batch.

Duration- 4 Hours

Max. Marks- 10+40

Min Marks- 4+16

Pattern of Examination	Bifurcation of Marks		Time
Written Test	20	30	2 Hours
Field Survey and Viva Voce	7+3	7+3	2 Hours
Record Work and Viva- Voce	7+3	7+3	

**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 (1 questions from each unit) in written paper out of which student have to compulsorily attempt 4 questions from all unit.
3. The student will have to prepare Survey Sheet **INDIVIDUALLY** during the examination
4. Simple Calculator is permitted in practical examination



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Unit-I

Three Dimensional Diagrams

- Spherical diagram
- Cube diagram
- Block Pile diagram

Unit-II

Others special diagrams

- Star diagram
- Triangular diagram
- Scatter diagram
- Traffic Flow Diagram

Meaning of geographical information system, Introduction and Utilization of remote sensing. General introduction aerial photography

Unit-III

Zenithal projection (Graphical method) –

- Zenithal equidistance projection (polar and equatorial projection)
- Zenithal equal area projection (polar and equatorial projection)
- Gnomonic projection (polar and equatorial projection)
- Gnomonic oblique zenithal projection
- Stereographic projection (polar zenithal and equatorial projection)
- Orthographic projection (polar zenithal and equatorial projection)
- Convection projections (Globular, sinusoidal and Mollweide's projection)

Unit-IV

Plane Table surveying all aspects (Instruments of plane table survey and methods of plane table survey). Introduction of Indian Clinometers.

उप कुलसचिव
महाराजा युक्तमल विश्वविद्यालय
भारतपुर (खण.)

(11)

(Dr. R.K. Dewangan)
Convener & Professor
M.S.J. College
Bharatpur

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:

(1/2)

Dr. Anam
उप-कुलसचिव
महायज्ञा प्रौद्योगिकी विद्यापीठ
नरसिंहपुर (उ.प्र.)