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)

(Syllabus for Regular as well as Non-collegiate students)

SUBJECT: GEOGRAPHY

B.A./B.Sc. V & VI Semester

(2025-26)

अतिरिक्त कुलसचिव
विश्वविद्यालय, जयपुर

Syllabus

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

Semester V (2025-26)

GEO-75T-301- World Regional Geography -I

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-75T-301	World Regional Geography -I	7	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 × 2= 20
Part B	15 × 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 student will have to attempt total 6 questions, 2 questions from Part A and 4 questions from Part B.*

अतिरिक्त कुलसचिव
विश्वविद्यालय, जयपुर

Syllabus

Unit-I

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

क्षेत्र: अवधारणा और वर्गीकरण, प्रमुख भौतिक विज्ञान क्षेत्र, विश्व जलवायु क्षेत्र, मिट्टी और वनस्पति।

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

एशिया: भौतिक विज्ञान, जल निकासी, जलवायु, प्राकृतिक वनस्पति, मिट्टी, जनसंख्या प्रमुख आर्थिक पहलू- फसलें (चावल, गेहूं, चाय, गन्ना), खनिज (लौह अयस्क, कोयला, पेट्रोलियम) औद्योगिक क्षेत्र- चीन, जापान

विशिष्ट अध्ययन- ट्रांस-साइबेरियन रेलवे

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

यूरोप- भौतिक विज्ञान, जल निकासी, जलवायु, प्राकृतिक वनस्पति, मिट्टी, जनसंख्या प्रमुख आर्थिक पहलू - उद्योग (लोहा और इस्पात, ऑटोमोबाइल, कपड़ा) औद्योगिक क्षेत्र - फ्रांस, जर्मनी और यूके विशिष्ट अध्ययन- मत्स्य पालन और भूमध्यसागरीय कृषि

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

उत्तरी अमेरिका- भौतिक विज्ञान, जल निकासी, जलवायु, प्राकृतिक वनस्पति, मिट्टी, जनसंख्या प्रमुख आर्थिक पहलू- बिजली संसाधन (कोयला, पेट्रोलियम, जलविद्युत), फसलें (मक्का, गेहूं) संयुक्त राज्य अमेरिका और कनाडा के औद्योगिक क्षेत्र

विशिष्ट अध्ययन- पनामा नहर

अतिरिक्त कुलसचिव
राजस्थान विश्वविद्यालय, जयपुर

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, J.P. et al, 1996. The Geography of the Third World, Routledge, London.
- Gourou, P., 1980. The Tropical World, Longman, London.
- Jackson, R.H. and Hudman, 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 Reginal Geography: A Question of Place, John Wiley, New York.

Course Learning Outcomes:
By the end of the course, students should be able to understand the major aspects of physical and cultural features of Asia, Europe and North America.

GEO-75P-302- Practical-I

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-75P-302	Practical-I	7	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 30 students will be allotted a teaching of 4 hours per week for practical.**

2. 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.

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 **A3 Size Record Book** which will be simultaneously checked by the Teacher in the class after teaching and evaluated during the*

अतिरिक्त कुलसचिव

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.*

Unit –I

Projection- Definition, Importance, Earth's Grid System and Scale of Projection, Classification-Conical Projection (One Standard, Two Standard, Bonne's, Polyconic), Cylindrical (Equal Area, Equidistant, Gall's, Mercator's)

प्रक्षेपण– परिभाषा, महत्व, पृथ्वी की ग्रिड प्रणाली और प्रक्षेपण का पैमाना, वर्गीकरण– शंक्वाकार प्रक्षेपण (एक मानक, दो मानक, बोन्स, पॉलीकोनिक), बेलनाकार (समान क्षेत्र, समदूरस्थ, गैल्स, मर्केटर)

Unit –II

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

समतल तालिका सर्वेक्षण– परिचय और उपकरण, सर्वेक्षण की प्रक्रिया, सर्वेक्षण के तरीके (विकिरण और प्रतिच्छेदन), ट्रैवर्सिंग (खुला और बंद)।

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 the importance of projections for various countries and the importance of survey.

अतिरिक्त कुलसचिव
विश्वविद्यालय, जयपुर

Syllabus

B. A. (UG 9101) / B. Sc. Biology (UG 0802) / B. Sc. Maths (UG 0803)
Semester VI (2025-26)

GEO-76T-303- Geography of Rajasthan

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-76T-303	Geography of Rajasthan	7	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 make students familiar with regional geography of Rajasthan.		

Duration- 3 Hours **Max. Marks- 20+80**

Min. Marks- 8+32

Pattern of Examination	Bifurcation of Marks
Part A	10 × 2= 20
Part B	15 × 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 student will have to attempt total 6 questions, 2 questions from Part A and 4 questions from Part B.*

अतिरिक्त कुलसचिव
राजस्थान विश्वविद्यालय, जयपुर

Syllabus

Unit-I

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

राजस्थान स्थान एवं विस्तार, जलवायु: जलवायु को प्रभावित करने वाले कारक, ऋतुएँ, जलवायु का वर्गीकरण (कोपेन और थॉर्नथवेट)

Unit-II

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

जल निकासी प्रणाली, मिट्टी के प्रकार और संरक्षण, प्राकृतिक वनस्पति (जंगल, झाड़ियाँ और घास के मैदान); वन्यजीव अभयारण्य और राष्ट्रीय उद्यान) पशुधन- (प्रकार और वितरण)

Unit-III

Mineral resources - -Iron are, Manganese, copper, Tungsten, Bauxite, Gold & Silver, Zinc-lead

Non-metal!ic- Mica, limestone, Dolomite, Asbestos, Gypsum

Energy resources- Conventional & Non-Conventional.

Industries- Textile, (Cotton & Cement Sugar industries, Marble & Sandstone industries, Tourism.

खनिज संसाधन - लोहा, मैंगनीज, तांबा, टंगस्टन, बॉक्साइट, सोना और चांदी, जस्ता-सीसा गैर-धात्विक - अभ्रक, चूना पत्थर, डोलोमाइट, एस्बेस्टस, जिप्सम

ऊर्जा संसाधन- पारंपरिक और गैर-पारंपरिक।

उद्योग- कपड़ा, (कपास और सीमेंट चीनी उद्योग संगमरमर और बलुआ पत्थर उद्योग, पर्यटन।

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

जनसंख्या: - भील, मीना और गरासिया की वृद्धि, वितरण, घनत्व, साक्षरता, लिंगानुपात का अध्ययन। मरुस्थलीकरण- (कारण, समस्याएँ एवं समाधान) डेयरी विकास कार्यक्रम, मुख्यमंत्री जल स्वावलंबन योजना

Recommended Readings:

- Bhalla, L.R. (2010). Rajasthan ka Bhugol. Jaipur: RBD Publication.
- Gupta & Prakash. (1979). Environmental Analysis of Thar Desert. Dehradun: English Books Depot.

अतिरिक्त कुलसचिव
विश्वविद्यालय, जयपुर

- Misra, V.C. (1977). Geography of Rajasthan. New Delhi: NBT.
- Roonwal, M.L. (1977). Natural Resources of Rajasthan Vols. I & 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-76P-304-Practical-II

Code of Course	Title of the Course	Level of the Course	Credits of the Course
GEO-76P-304	Practical-II	7	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 develop students' ability to represent, analyze, and interpret geographical data through three-dimensional diagrams, computer applications, and map projections for effective spatial understanding.		

*** Note: - 1. Each practical batch of 30 students will be allotted a teaching of 4 hours per week for practical.**

2. 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.

Duration- 4 Hours **Max. Marks- 10+40**

Min. Marks- 4+16

Pattern of Examination	Bifurcation of Marks	Time
Written Test	20	2 Hours
Model/ Chart and Viva-Voce	7+3	2 Hours
Record and Viva-Voce	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*

अतिरिक्त कुलसचिव
राजस्थान विश्वविद्यालय, जयपुर

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 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

Three Dimensional Diagrams – Cube, Sphere, Block Pile, Stil-Gen-Bauer's and Sten-de-Geer' s Method, Traffic Flow Diagram

Application of Computer in Geography- MS Word & MS Excel

तीन आयामी आरेख – घन, क्षेत्र, ब्लॉक ढेर, स्टिल-जनरल-बाउर और स्टेन-डी-गीयर विधि, यातायात प्रवाह आरेख

भूगोल में कंप्यूटर का अनुप्रयोग- एमएस वर्ड और एमएस एक्सेल

Unit –II

Zenithal Projections (Equidistant, Equal Area, Gnomonic, Stereographic, Orthographic), Conventional Projection (Mollweide and Sinusoidal)

जेनिथल प्रोजेक्शन (समदूरस्थ, समान क्षेत्र, ग्नोमोनिक, स्टीरियोग्राफिक, ऑर्थोग्राफ़िक), पारंपरिक प्रोजेक्शन (मोलवीड और साइनसॉइडल)

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 Students will be able to construct and interpret three-dimensional diagrams, apply MS Word & Excel in geographical analysis, and explain, compare, and apply various Zenithal and Conventional map projections for effective spatial representation.