



**PANDIT DEENDAYAL UPADHYAYA SHEKHAWATI
UNIVERSITY, SIKAR**

SYLLABUS

**SCHEME OF EXAMINATION FOR UNDERGRADUATE THREE YEAR
PROGRAMME AS PER UGC FRAMEWORK FOR THE SESSION 2023-24**

Three year Bachelor of Arts/Science

Geography

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


2023-24


**Dy. Registrar
Pandit Deendayal Upadhyaya
Shekhawati University,
Sikar(Rajasthan)**

**SCHEME OF EXAMINATION FOR UNDERGRADUATE THREE YEAR PROGRAMME AS PER
UGC FRAMEWORK FOR THE SESSION 2023-24**

SUBJECT- GEOGRAPHY

1. Students are permitted to use the stencils, simple calculator and log tables wherever needed in both theory and practical examinations. Each theory paper will have a teaching of 6 hours per week.
2. There will be a common paper for Arts and Science.
3. 1 Credit =25 marks for examination/evaluation. Continuous assessment in which sessional work and the terminal examination will contribute to the final grade. Each course in Semester Grade Point Average (SGPA) has two components- Continuous Assessment (20% weightage) and End Semester Examination (ESE) (80% weightage).
4. Sessional work will consist of class tests, mid-semester examination(s), homework assignments, etc., as determined by the faculty in charge of the courses of the study.
5. Each paper of ESE shall carry 80% of the total marks of the course/subject. The ESE will be of 3 hours duration.
6. Part 'A' of the paper will be compulsory and will cover the entire course of the paper. Total 16 marks be set in two parts-
 - (i) Part (a) will have eight items for locating on a map (to be supplied by examination centre) carrying 8 marks and candidate shall attempt any four items [4 x 2 = 8 marks]
 - (ii) Part (b) will have eight short type answer question [20 words] carrying 8 marks and candidate shall attempt any four question [4 x 2 = 8 marks]
7. Part 'B' will consist of eight questions. At least two questions from each unit will be set and student will have to answer four questions, selecting at least one question from each unit. The answer to each question shall be limited 50 words. each question carries 6 marks [4 x 6 = 24 marks]
8. Part 'C' will consist of eight questions. At least two questions from each unit will be set and student will have to answer four questions, selecting at least one question from each unit. The answer to each question shall be limited 500 words. each question carries 10 marks [4 x 15 = 60 marks]
9. 75% attendance is mandatory for appearing in ESE.
10. To appear in the ESE of a course/subject, the student must appear in the mid- semester examination and obtain at least C grade in the course/subject.
11. Credit points in a course/subject will be assigned only if, the student obtains at least C grade in midterm and ESE examination of a course/subject.
12. Practical examination will be conducted by the board of examiners.
13. The candidate will have to pass in theory and practical separately.
14. The non- collegiate candidates will have to attend a practical training camp of 48 hours at department of geography affiliated to the PDUSU sikar/ any department of geography government college affiliated with PDUSU sikar noticed by the University from time to time in which Geography subject is taught on payment of Fee fixed by the university. The candidate appearing at examination from any examination centre located in sikar and Jhunjhunu District will attend the practical camp at the university graduate department on payment of fee fixed by the university. The candidate will procure certificate of successful completion of practical training camp from the college/ Department of geography and produce the same at the time of geography practical examination.


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PANDIT DEENDAYAL UPADHYAY SHEKHAWATI UNIVERSITY, SIKAR

Three year Bachelor of Arts/Science

Subject- Physical Geography

Syllabus- B.A. /B.Sc. Semester-I

2023-24

Paper	Duration	Maximum marks	Minimum Marks
Geography Theory	3 Hrs.	100	40
Geography Practical	04.00 Hrs.	50	20

Physical Geography

Unit-I

Definition, scope and development of physical geography, solar system, origin of the solar system. geological history of the Earth; Zoning of Earth's interior, rocks, types and characteristic, origin of continents and oceans, continental drift theory and plate tectonics. Concept of isostasy: mountain building theory - kober, plate tectonics.

Unit-II

Denudation, cycle of erosion: views of W.M. Davis and W. Penck, erosional and depositional topographies: river, underground water, glacier, wind and oceanic waves.

Unit-III

Composition and structure of the atmosphere, Isolation, air pressure, pressure belts and planetary winds, monsoon and local winds, classification of clouds and precipitation, air masses and cyclones - Tropical and temperate, classification of the world climates: Koppen and Thornthwaite, general climatic classification.

Unit-IV

Surface configuration of oceans bottom: ocean deposits, horizontal and vertical temperature of oceans, oceanic salinity, tides, oceanic waves and currents, coral reefs and their origin; views of Darwin and Dana, W.M., Davis, Murray.

Biosphere and its components, ecosystem and biomes

Recommended Readings.

1. चौहान, वी.एस. व गौतम, ए. 2005 : भौतिक (जीवमण्डल सहित)। रस्तोगी पब्लिकेशन्स, मेरठ।
2. दयाल, पी. 2012, : भौतिक भूगोल। राजेश पब्लिकेशन्स, नई दिल्ली।
3. गौतम, अल्का, 2012 : भौतिक भूगोल। रस्तोगी पब्लिकेशन्स, मेरठ।
4. सिंह, सविन्द्र, 2005 : भू-आकृति विज्ञान। तारा पब्लिकेशन्स, वाराणासी।
5. सिंह, सविन्द्र 2011 : भौतिक भूगोल का स्वरूप। प्रयाग पुस्तक भवन, इलाहाबाद।
6. भार्मा, एच.एस., भार्मा, एम.एल. एण्ड मिश्रा, आर.एन. 2008 : भौतिक भूगोल। पंचशील प्रकाशन जयपुर।
7. Hussain, M. 2001, Fundamentals of Physical Geography, Rawat Publication, Jaipur.
8. Hess, D. 2012: Physical Geography: A Landscape Appreciation, PHI Learning Private Limited, New Delhi, Mcknight's Tevtt Edition.
9. Khullar, D.R. 2012: Physical Geography, Kalayani Publishers, New Delhi.
10. Sharma, R.C. and Vatal M. 1999: Oceanography for Geographers. Chaitanya Publishing House, Allahabad.
11. Strahler, A.N. and Strahler, A.H. 1989: Elements of Physical Geography. John Wiley & Sons, New York.
12. Tikka, R.N. 1999: Physical Geography. Kedar Nath Ram Nath & C. Meerut.


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PANDIT DEENDAYAL UPADHYAY SHEKHAWATI UNIVERSITY, SIKAR**Three year Bachelor of Arts/Science****Subject- Geography****Syllabus- B.A. /B.Sc. Semester-I****Geography Practical****2023-24**

Paper	Duration	Maximum marks	Minimum Marks
Geography Practical	5.30 Hrs.	50	20
		Bifurcation of Marks	Time
Written test	30		
Record and Viva Voce	12 + 8		04.00 Hrs.

N.B. 1. There shall be 6 questions in written paper selecting at least one questions from each Section/Unit. Candidates are required to attempt 3 questions selecting 1 question from each Section/Unit. Each practical batch of 40 students will be allotted a teaching of 4 hours per week for practical.

SYLLABUS**Unit-I**

Definition and types of scale: simple, comparative and diagonal scale.

Unit-II

Graph: line graph, bar graph, combined line and bar graph, hythergraph and climograph, water budget, graph, wind rose.

Unit-III

Weather maps: weather symbols, representation of atmosphere features, interpretation of Indian daily weather maps (July and January), weather instruments.


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PANDIT DEENDAYAL UPADHYAY SHEKHAWATI UNIVERSITY, SIKAR

Three year Bachelor of Arts/Science

Subject- Rajasthan Geography

Syllabus- B.A. /B.Sc. Semester-II

2023-24

Paper	Duration	Maximum marks	Minimum Marks
Geography Theory	3 Hrs.	100	40
Geography Practical	5.30 Hrs.	50	20

Geography of Rajasthan

Unit-I

Physiography of Rajasthan: geological structure, relief, drainage, climate, natural vegetation, drought, desertification, soils, soil erosion and conservation; water resources- availability, problems and conservation.

Unit-II

Mineral resources: metallic and nonmetallic, distribution and production; energy resources: distribution and production (hydro-electricity, coal, petroleum, solar energy and bio-energy) irrigation resources distribution , irrigation projects: detailed study of Indira Gandhi canal project, Chambal valley project, Mahi Bajaj Sager projects on physical and socio-economic aspects.

Unit-III

Agriculture distribution in Rajasthan: problems of agriculture development, wheat, rice, bajara, pulses, cotton, groundnuts, general land use, live-stock and dairy development. Industries: textile, sugar, cement, marble and granite, fertilizer, zinc and copper smelting. Transport & trade,

Unit-IV

Development of tourism, desert development programme tribal areas development programme, Aravalli hill development programme. Cultural and development aspects: population- number, growth, distribution and density, rural and urban, male and female population, occupational structure, population problems, detailed study of Bhil, Meena and Garasia. Settlement pattern: types of settlements, building materials and house types in Rajasthan with examples, factors affecting settlement.

Recommended Readings:

1. Bhalla, L.R. 1996-97: Geography of Rajasthan. Kuldeep publications, Jaipur,
2. Gujar, R.K. 1992: Geography of Indira Gandhi Canal. Rajasthan Hindi Granth Academy
3. Lodha, R.& Maheshwari, D.2001: Geography of Rajasthan. Shahitya Bhawan Publications, Hospital goad, Agra.
4. Mishra, V.C. 1967: Geography of Rajasthan. National book trust of India. New Delhi.
5. Singh, R.L. 1971 (ed.): India A Regional Geography NGSI. Varanasi.
6. Attar Singh. 1992: Flood Prone Areas of India. A viskar Publishers Jaipur
7. Sharma H.S. and M.L. Sharma 2014: Geography of Rajasthan. Panchcil Publisher, Jaipur.
8. नथुरामका, एल.एन., 2013-13 : राजस्थान की अर्थव्यवस्था। कॉलेज बुक हाउस, जयपुर।
9. साईवाल, स्नेह 2012 : राजस्थान का भूगोल। कॉलेज बुक हाउस, जयपुर।
10. सक्सेना, एच.एम. 2012 : राजस्थान का भूगोल। राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर।

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PANDIT DEENDAYAL UPADHYAY SHEKHAWATI UNIVERSITY, SIKAR

Three year Bachelor of Arts/Science

Subject- Geography

Syllabus- B.A. /B.Sc. Semester-II

Geography Practical

2023-24

Paper	Duration	Maximum marks	Minimum Marks
Geography Practical	5.30 Hrs.	50	20
	Bifurcation of Marks		Time
Written test	18		
Record and Viva Voce	10 + 8		
Field Survey and Viva Voce	9 + 5		5.30 Hrs.

N.B. 1. There shall be 6 questions in written paper selecting at least one questions from each Section/Unit. Candidates are required to attempt 3 questions selecting 1 question from each Section/Unit. Each practical batch of 40 students will be allotted a teaching of 4 hours per week for practical.

Unit-I

Methods of showing different relief features: hachures, hill shading, bench mark, spot height, formlines, contours and drawing of cross Section/Units (conical hill and plateau, types of slopes, valleys, ridge and saddle, gorge, waterfall and rapids, escarpment, lake, spur, col, meanders and cliff)

Unit-II

Profiles- serial, superimposed, projected and composite.

Meaning of Remote sensing, Process & elements of remote sensing, electromagnetic energy.


Unit-III

Surveying: meaning, classification and significance.

Chain and tape surveying: open and closed traverse.

Recommended Readings:

1. चौहान, पी.आर. 2008: प्रयोगात्मक भूगोल। वसुन्धरा प्रकाशन, जयपुर।
2. भार्मा, जे.पी. 2011: प्रयोगात्मक भूगोल की रूपरेखा। रस्तोगी पब्लिकेशन, मेरठ।
3. Singh, L.R. 2006: Practical Geography. Prayag Pustak Publisher, Allahabad, U.P.
4. Monkhouse, F.J. and Wilkinson, F.J. 1985: Maps and Diagrams. Methuen, London.
5. Singh, R.L. and Singh Rana P.B. 1991: Elements of Practical Geography. Kalyani Publishers, New Delhi.
6. Sarka, A.k. 1997: Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
7. Venkatrameiah, C. 1997: A Text Book of Surveying. University Press. Hyderabad.


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