

As per the NEP 2020

Geography

(Minor Syllabus)

(Effective from Academic Year 2024-2025 onwards)



Pandit Deendayal Upadhyaya Shekhawati University

Sikar (Rajasthan) 307026

E-mail: reg.shekhauni@gmail.com

Website: www.shekhauni.ac.in


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

Semester	Course Code	Course Title	Contact Hrs per Week			Credits			Weightage (%)		
			L	T	P				CWS	MTE	ETE
I	24BGS5101M	An Introduction to Planet Earth	2	0	0	2	0	2	10	20	70
II	24BGS5201M	Weather Phenomena and Their Measurement	2	0	0	2	0	2	10	20	70
III	24BGS6301M	Development of Geography	4	0	0	4	0	4	10	20	70
IV	24BGS6401M	General Climatic Characteristics	4	0	0	4	0	4	10	20	70
V	24BGS7501M	Geography of India	4	0	0	4	0	4	10	20	70
VI	24BGS7601M	Geography of Rajasthan	4	0	0	4	0	4	10	20	70
VI	24BGS7602M	Human Geography	4	0	0	4	0	4	10	20	70

Semester – I

Course Title:	An Introduction to Planet Earth	Course Code: 24BGS5101M
Total Lecture hour 30		Hours
Unit I	Introduction: Solar system, planet characteristics and their motion; Shape, size and motion of Earth and Moon.	8
Unit II	Latitudes and Longitudes: Equator, Prime Meridian and International Date Line; Local time and time zones; Earth's inclination.	8
Unit III	Theories of Origin of Earth: L. Green, J. Jeans, Nebular hypothesis, Big-bang Theory; Evolution of Earth; Geological history of the Earth.	7
Unit IV	Relative position of Earth, Sun and Moon; Solar and Lunar Eclipse; Earth's rotation: Day and Night; Earth's revolution: Seasons	7
Reference Books:		
1	Leong G. C. (2023): Certificate Physical and Human Geography(2 nd Edition), Oxford University Press India.	
2	Bunnett R. B. and Parihar S. M. (2019): PHYSICAL GEOGRAPHY IN DIAGRAMS, Pearson Publication, New Delhi.	
3	खुल्लर डी. आर.(2022): भौतिकभूगोल, कल्याणी प्रकाशन, नईदिल्ली।	
4	सिंहसविन्द्र(2018):भौतिकभूगोलकास्वरूप,प्रवालिकाप्रकाशन,इलाहाबाद।	

Semester – II

Course Title:	Weather Phenomena and Their Measurement		Course Code: 24BGS5201M
Total Lecture hour 30			Hours
Unit I	Definition of weather and weather observing variables; Importance and main learning objectives of weather laboratory.		8
Unit II	Stevenson screen; Maximum and minimum thermometer, Range of temperature, Dry and		8


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	weight-bulb thermometer; Relative humidity.	
Unit III	Types and use of Rain Gauge, Barometer, Anemometer, Wind vane and Hygrometer.	7
Unit IV	Indian Meteorological Department (IMD): History and Functions, Weather maps, Weather forecast.	7
Reference Books:		
1	Leong G. C. (2023): Certificate Physical and Human Geography(2 nd Edition), Oxford University Press India.	
2	Bunnett R. B. and Parihar S. M. (2019): PHYSICAL GEOGRAPHY IN DIAGRAMS, Pearson Publication, New Delhi.	
3	शर्मा. जे. पी. (2023): प्रायोगिक भूगोल, रस्तोगी पब्लिकेशन मेरठ।	
4	खुल्लर, डी. आर. (2022): प्रयोगात्मक भूगोल, कल्याणी प्रकाशन, नई दिल्ली।	

Semester - III

Course Title:	Development of Geography	Course Code: 24BGS5301M
Total Lecture hour 60		Hours
Unit I	Definition and nature of geography, Evolution of geography as a subject, Geography as a scientific discipline, Geography and its relation with other disciplines of science and social sciences.	16
Unit II	Contribution of various schools in development of geography: Greek, Roman, Arabic, German, French, British and American schools.	17
Unit III	Approaches in geography: Systematic and regional approach; Dualism in geography; Physical vs Human and regional vs systematic	13
Unit IV	Man-environment relationship, Paradigms: Environmental Determinism, Possibilism, Cultural Determinism and Neo-determinism.	14
Reference Books:		
1	हुसैनमाजिद(2006): भौगोलिकचिंतनकाइतिहास, रावतप्रकाशन, जयपुर।	
2	अग्रवालएल. सी.: भौगोलिकविचारधाराएं, राजस्थानहिन्दीग्रंथअकादमी, जयपुर।	
3	Husain, Majid(2014): Evolution of Geographical Thought, Rawat Publications, Jaipur	
4	Kausik S. D. and Rawat D. S. (2017): GEOGRAPHICAL THOUGHT and METHODOLOGY, Rastogi Publication, Merrut.	

Semester – IV

Course Title:	General Climatic Characteristics	Course Code: 24BGS5401M
Total Lecture hour 60		Hours
Unit I	Climate and weather, Climatic indicators: Types and distribution of temperature, pressure and humidity; Cloud formation and types of clouds; Types of precipitation.	16
Unit II	General Characteristics: Equatorial climate, Savannah climate, Tropical climate, Monsoon climate, Desert climate.	16
Unit III	General Characteristics: Mediterranean climate, Steppe climate, British and China climate, Taiga climate and Tundra climate.	14
Unit IV	Global warming, Ozone depletion, Climate change; Climatic Hazards: Drought, Heat-waves, Cloud burst, Tropical and temperate cyclones.	14
Reference Books:		
1	सिंहसविद्र (2016): जलवायु विज्ञान, प्रवालिका प्रकाशन, इलाहाबाद।	


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2	लालडी. एस. (2022): जलवायु विज्ञान, शारदा पुस्तक भवन, प्रयागराज।
3	Leong G. C. (2023): Certificate Physical and Human Geography (2nd Edition), Oxford University Press India.
4	Bunnett R. B. and Parihar S. M. (2019): PHYSICAL GEOGRAPHY IN DIAGRAMS, Pearson Publication, New Delhi.

Semester – V

Geography of India

Learning Objectives: To make students aware of the Geography of India.

Developing a deeper understanding of physical and cultural resource of India.

Learning Outcomes

On completion of this course, learners will be able to:

1. The importance of "Ek Bharat Shrestha Bharat"
2. The wider physical and cultural aspects of India.

Course Title	Geography of India	Course Code: 24BGS7501M
Total Lecture hour 60		
Unit I	India: Location aspects, Relief, Climate, Vegetation types, soil types and problem of soil.	14
Unit II	Rivers, Multipurpose irrigation project (Bhakra, Damodar and Chambal), Major Crops (Wheat, Cotton, Tea, Sugarcane)	16
Unit III	Major mineral resources (Iron, Copper, Bauxite), Power resources, Major industries (Iron steel, sugar and textile).	14
Unit IV	Population structure, distribution, growth and Population problems.	16

Reference Books:

- Khullar, D. R. (2006): India. A Comprehensive Geography. Kalyani Publishers., New Delhi.
- Singh, R. L. (ed.) (1971): India. A Regional Geography. National Geographical Society of India, Varanasi.
- Nag, P. and Gupta, S. S. (1992): Geography of India. Concept Publishing. Company, New Delhi.
- Sharma, T. C. (2003): India: Economic and Commercial Geography. Vikas Publication., New Delhi.
- Subbarao, B. (1959): The Personality of India. University of Baroda Press, Baroda.
- Chandna, R.C.: Geography of Population, Kalyani Publishers, 1998.
- Tiwari, R. C. (2007): Geography of India, Prayag Pustak Bhawan, Allahabad
- Tirtha, Ranji : Emerging India, Conpub. Ann Arbour, U.S.A. Michigan, 2006.
- Chapman, G. and Baker, K.M. (eds.) (1992): The Changing Geography of Asia. Routledge, London.
- Ganguly, S. and Neil, DeVotta (eds.) (2003): Understanding Contemporary India. Lynne Reinner Publishers., Boulder and London.


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Semester – VI

Geography of Rajasthan

Learning Objectives: To make students aware of the Geography of Rajasthan.
Developing a deeper understanding of physical and cultural resource of Rajasthan.

Learning Outcomes

On completion of this course, learners will be able to:

1. Know the wider physical and cultural aspects of Rajasthan.
2. Know socio-economic background of Rajasthan.

Course Title	Geography of Rajasthan	Course Code: 24BGS7601M
Total Lecture hour 60		
Unit I	Rajasthan- Location aspects, Relief , Climate:, Vegetation types, soil types and problems of soil	Hours 15
Unit II	Rivers, Multipurpose irrigational projects and Major Crops. Livestock	15
Unit III	Major mineral resources- Metallic and Non-metallic, Power resources, Major industries (Cementand textile). Handicrafts	15
Unit IV	Population structure, distribution, growth, Urbanization. Population problems. Major Tribes- Bhil, Mina, Garasiya and Sahriya.	15
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. Sharma H.S. and M.L. Sharma 2014: Geography of Rajasthan. Panchcil Publisher, Jaipur. 7. नथुरामका, एल.एन., 2013—13 : राजस्थान की अर्थव्यवस्था। कॉलेज बुक हाउस, जयपुर। 8. साईवाल, स्नेह 2012 : राजस्थान का भूगोल। कॉलेज बुक हाउस, जयपुर। 9. सक्सेना, एच.एम. 2012 : राजस्थान का भूगोल। राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर।		

Human Geography

Learning Objectives: To make students aware of the Human Geography. Developing a deeper understanding on changing man environment relationship, human population, settlements and Tribes

Learning Outcomes

On completion of this course, learners will be able to:

1. Know the man and natural environment inter relationship
2. Know various pattern of settlements and migration.

Course Title	Human Geography	Course Code: 24BGS7602M
Total Lecture hour 60		
Unit I	Facts of human geography according to Brunhes, principle of evolution and activity, inter relationship and environment adjustment	Hours 15
Unit II	World population structure, growth and distribution, population problems in	15

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	developed, developing and undeveloped countries.	
Unit III	Population migration in India, Settlements types settlement patterns and settlement construction materials	15
Unit IV	Habitat and socio economic activities of Bhil, Naga, Gond, Eskimos, Bushman and Pygmies Tribes.	15
Recommended Readings: 1- माजिद हुसैन- मानव भूगोल 2- कौशिक एस. डी. - मानव भूगोल 3- भल्ला एल.आर. - मानव भूगोल		


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