

Shivaji University, Kolhapur

B. A. / B. A. B. Ed.

DSC I: Physical Geography-I (Geography) as per NEP 2020

Name of the Programme	:	B. A. / B. A. B. Ed. (Geography)
Class	:	B.A.-I/ B. A. B. Ed.-I
Semester	:	I
Name of Vertical Group	:	DSC I (V-1)
Course Code	:	BAU0325MMH222A01
Course Title	:	Physical Geography -I
Total Credit	:	04
Workload	:	04 credit X 15 Hours = 60 hours in semester
Duration	:	Semester
Medium of instruction	:	Marathi / English
Eligibility of Admission	:	As per eligibility criteria prescribed by the University
Examination of Pattern	:	80:20
Nature of Question Paper	:	

Preamble:

Welcome to the fascinating realm of Physical Geography at the B.A./ B.Ed. first year. Delve into the intricacies of Earth's physical processes, transformation of genesis of landforms to the dynamics of climates. This course introduces students to the fundamental principles governing natural phenomena, atmosphere and its elements fostering a comprehensive understanding of our planet's physical attributes. Explore the mysteries of weather patterns, denodational agents and environmental interactions, laying the foundation for a profound journey into the captivating field of geography.

General Objectives of the Course:

1. To gain in-depth knowledge of the movement and fundamental climatological laws for a comprehensive grasp of physical geographical evolution.
2. To explore the earth's movements and weather phenomena.
3. To develop expertise in nature of rocks and the weathering of rock, facilitating the recognition of geographical features developed by denodational agent.
4. To apply knowledge through case studies, analyzing geographical incidents, fostering problem-solving skills with a focus on local and India.

Course Outcomes:

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

1. The students will possess a comprehensive understanding of Physical Geography, branches and fundamental laws.

2. They will demonstrate proficiency in analyzing rocks weathering, interpreting endo/exogenetic Earth movements, and of Wind and Precipitation
3. Applying theoretical knowledge to real-world scenarios, emphasizing disaster management, urban planning and transportation.

Nature of Question Paper:

The student's examination and evaluation methods are as per the guidelines of the Shivaji University, Kolhapur.

- Internal evaluation should be based on Home Assignment/Unit Test/Case Study

Modules				
Module No.	Module Name	Sub-module	No. of hours	Credit
1	Introduction to Physical Geography	1.1 Definition, nature and Scope of Physical Geography 1.2 Branches of Physical Geography 1.3 Importance of Physical Geography 1.4 Physical Geography as a base of Disaster Management	15	01
2	Transformation of the Earth surface	2.1 Endogenetic Earth's Movements: slow movements, sudden movements 2.2 Weathering: meaning, types and controlling factors. 2.3 Mass Movement: meaning, controlling factors and types of Mass Movement 2.4 Davis Cycle of Erosion and fluvial landforms	15	01
3	Atmosphere	3.1 Composition and Structure of the Atmosphere 3.2 Insolation and Temperature 3.3 Origin and distribution of pressure belts 3.4 Types of Wind and Precipitation	15	01
4	Practical	4.1 Sources of Atmospheric Data: IMD, AccuWeather, Windy 4.2. Windrose 4.3 Climograph 4.4 Case studies: Landslide/Road Trenches or latest incidents of your location.	15	01

Suggested Readings

1. Dayal, P; A Text book of Geomorphology. Shukla Book depot, Patna,1996.
2. Dury, G.H. : The Face of the Earth, Penguins, 1980.
3. Critchfield, H : General Climatology, Prentice-Hall, New York,1975.
4. ICSSR: A Survey of Research in Physical Geography. Concept, New Delhi, 1983.
5. D.S. Lal: Climatology, Sharda Pustak Bhavan, Allahabad, 2010.
6. Singh,S. :Geomorphology, Prayag Pustakalaya, Allahabad,1998.
7. सवदी व कोळेकर; प्राकृतिक भूगोल. निराली प्रकाशन पुणे. २०२०
8. दाते व दाते; प्राकृतिक भूविज्ञान. अनिरुद्ध पब्लिशिंग हाऊस, पुणे. २०२०
9. आर. जी. जाधव; प्राकृतिक भूगोल. प्रारूप पब्लिकेशन, कोल्हापूर. २०२०
10. सवदी व कोळेकर; प्राकृतिक भूगोल आणि भूरूपशास्त्र. डायमंड प्रकाशन पुणे. २०१४
11. मोरे व पगार; प्राकृतिक भूगोल. प्राकृतिक भूगोल. निराली प्रकाशन पुणे. २०१९