

Reg. No

Name

24P2015

M. Sc. DEGREE END SEMESTER EXAMINATION - MARCH 2024

SEMESTER 2 - ENVIRONMENTAL SCIENCE

COURSE : 21P2EVST05 - EARTH AND ATMOSPHERE

(For Regular 2023 Admission and Improvement/Supplementary 2022/2021 Admissions)

Duration : Three Hours

Max. Weights: 30

PART A

Answer any 8 questions

Weight: 1

1. Define estuary. (U, CO 2)
2. Enumerate the properties of peaty soil. (R, CO 4)
3. Define geomorphology. (U, CO 6)
4. Define precipitation. (U, CO 3)
5. Comment on the temperature profile of stratosphere. (A, CO 1)
6. Explain the sea level changes. (An, CO 4)
7. Briefly describe the features of mantle. (U)
8. What do you meant by beach drift? (R, CO 6)
9. Comment on wetlands. (U, CO 2)
10. Explain the scope of climatology. (A, CO 3)

(1 x 8 = 8)

PART B

Answer any 6 questions

Weights: 2

11. Discuss the global distribution of precipitation. (E, CO 3)
12. Write a short note on marine resources. (U, CO 6)
13. Explain land use in rangelands. (E, CO 2)
14. Briefly discuss the geomorphological features of India. (An)
15. Briefly describe the formation of oxygen in the atmosphere. (R)
16. Differentiate folded and faulted rock strata. (An, CO 4)
17. Describe different types of soil. (R, CO 4)
18. Explain the term break in the monsoon. (An, CO 3)

(2 x 6 = 12)

PART C

Answer any 2 questions

Weights: 5

19. Write an essay on physico - chemical aspects of water. (An, CO 1)
20. Write an essay on hydrological cycle. (E, CO 6)
21. Describe Earth-Sun relationships and the seasonal changes associated with it. (U, CO 3)
22. Explain water cycle and different aquatic habitats. (An, CO 1)

(5 x 2 = 10)

OBE: Questions to Course Outcome Mapping

CO	Course Outcome Description	CL	Questions	Total Wt.
CO 1	Outline the concept of life and life supporting systems	U	5, 19, 22	11
CO 2	Formulate plans for ecological assessment of landscape for vegetation and habitats	A	1, 9, 13	4
CO 3	Identify the importance of weather and climatic patterns	An	4, 10, 11, 18, 21	11
CO 4	Examine the effect of climate change on ecosystems and human welfare	E	2, 6, 16, 17	6
CO 6	Develop knowledge on how to effectively manage the various water resources	Cr	3, 8, 12, 20	9

Cognitive Level (CL): Cr - CREATE; E - EVALUATE; An - ANALYZE; A - APPLY; U - UNDERSTAND; R - REMEMBER;