SARASWAT EDUCATION SOCIETY'S
SRIDORA CACULO COLLEGE OF COMMERCE & MANAGEMENT STUDIES
KHORLIM, MAPUSA, GOA

B.Com – Honors / B.Com - General (NEP 20, w. e. f. 2023-24)

F.Y. B.COM. SEMESTER END ASSESSMENT, OCT/NOV, 2026

THEORY - REGULAR ODD SEMESTER I EXAMINATION

Subject:- VAC 100- ENVIRONMENTAL STUDIES I
Credit : - 02
M.Marks:- 40
Duration:- 1 hrs.

Instructions:

1. Number of printed pages is 2
2. All questions are compulsory unless an internal choice is given.
3. Figures to the right indicate full marks.
4. Answer the questions according to the instructions given.

Q.1) Answer the following:

a) Define Environmental Studies. State any two aspects of its scope. [2]

b) List any four renewable and any four non-renewable natural resources. [2]

c) Define biodiversity. Name its three levels. [2]

d) What are ecological pyramids? Name any two types. [2]

Q.2 A) i) List the different renewable and non-renewable sources of energy, and state the need for alternate energy sources. [2]

ii) Define desertification. [1]

OR

iii) State any four effects of overgrazing and modern agriculture on land resources. [2]

iv) Define mining. [1]

Q.2 B) i) List any four causes of conflicts over water resources. [2]

ii) Define "water logging". [1]

Q.2 C) i) Define "sustainable lifestyle" and state the role of an individual in the conservation of natural resources. [2]

Q.3 A) i) Explain the causes and consequences of deforestation, with reference to its effects on tribal people. [2]

ii) Distinguish between renewable and non-renewable resources with one example each. [1]

OR

iii) Describe the environmental effects of extracting and using mineral resources. [2]

iv) Explain how dams affect forests and local communities. [1]

Q.3 B) i) Explain the structure and function of an ecosystem with a labelled diagram. [2]

ii) Differentiate between a food chain and a food web. [1]

Q.3 C) i) Explain the concept of ecological succession. [2]

Q.4 A) i) Describe the characteristic features and structure of a forest ecosystem. [2]

ii) State any two characteristics of a desert ecosystem. [1]

OR

iii) Explain the structure and function of an aquatic ecosystem, giving suitable examples. [2]

iv) State any two characteristics of a grassland ecosystem. [1]

Q.4 B) i) Explain the consumptive, productive, and social/ethical values of biodiversity. [2]

ii) Why is India considered a mega-diversity nation? [1]

Q.4 C) i) Explain the difference between in-situ and ex-situ conservation of biodiversity. [2]

Q.5 A) i) A hydroelectric dam is proposed on a river flowing through a forested, tribal-inhabited valley in Goa. Analyse the likely benefits and problems of this project, and suggest measures to minimise its adverse impact. [2]

ii) Suggest any two measures an individual can adopt to conserve energy resources. [1]

OR

iii) A farming village reports declining crop yields, increasing soil salinity, and water logging after years of intensive fertiliser and pesticide use. Identify the underlying causes and suggest sustainable alternatives. [2]

iv) Suggest any two ways to reduce over-exploitation of groundwater in a coastal town. [1]

Q.5 B) i) A coastal wetland used for fishing is being reclaimed for construction. Using ecosystem and food-web concepts, analyse the likely ecological consequences of this reclamation. [2]

ii) Suggest one in-situ and one ex-situ measure suitable for protecting an endangered local species. [1]

Q.5 C) i) Human-wildlife conflict has increased near a forest reserve bordering agricultural land. Suggest two practical steps a local community could take to reduce this conflict while supporting conservation. [2]

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