

M.Sc Sem-3 Examination**503****Climate Change****November-2024****Time : 2-30 Hours]****[Max. Marks : 70**

Instructions: All Questions carry equal marks
Attempt all Questions

- | | | |
|-------|--|----|
| Q I | Explain why adaptation is important in SFM. Give details of key adaptation strategies in SFM with benefits of adaptation. | 14 |
| OR | | |
| Q I | A. Explain the usefulness of Modern technology in SFM | 7 |
| | B. Explain Threats to Forest Ecosystems | 7 |
| Q II | Explain the role of Integrated Coastal Zone Management (ICZM) in sustainable development. | 14 |
| OR | | |
| Q II | A. Discuss the significance of the Coastal Regulation Zone (CRZ) Notification 2019 in managing India's coastal resources. How does it differ from the earlier notifications? | 7 |
| | B. Analyze the impact of human activities on mangrove ecosystems and the importance of mangrove conservation under coastal zone management policies. | 7 |
| Q III | Explain Land use with examples. | 14 |
| OR | | |
| Q III | A. Explain the physical stresses on land and land resources due to anthropogenic activities. | 7 |
| | B. What is the need for classification of Land use and its monitoring? | 7 |
| Q IV | Write a note on Public Awareness | 14 |
| OR | | |
| Q IV | A. Need of behavioural Change | 7 |
| | B. Explain interface of Science and Policy | 7 |
| Q V | Attempt any 7 out of 12 MCQs/Short question (One- or Two-line answer)/ Fill in the blanks/True or False etc. | 14 |
| 1 | EEA | |
| 2 | CAP-EU | |
| 3 | UNCCD | |

(P.T.O.)

- 4 Which of the following is NOT a component of the Coastal Regulation Zone (CRZ) Notification 2019?
- a) Regulation of construction activities
 - b) Demarcation of ecologically sensitive areas
 - c) Prohibition of fishing activities
 - d) Guidelines for sand mining
- 5 The Coastal Regulation Zone (CRZ) is categorized into how many zones?
- a) Two
 - b) Three
 - c) Four
 - d) Five
- 6 Mangroves are most commonly found in which of the following zones of the CRZ classification?
- a) CRZ-I
 - b) CRZ-II
 - c) CRZ-III
 - d) CRZ-IV
- 7 Global warming Potential (GWP)
- 8 Acidification
- 9 Eutrophication
- 10 Watershed Protection
- 11 Fire resilient Species
- 12 Assisted Migration
-