

U.G. 6th Semester Examination-2022**BOTANY****[HONOURS]****Discipline Specific Elective (DSE)****Course Code : BOT-H-DSE-T-03B****(Coastal Biology)**

Full Marks : 40

Time : 2½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** from the following : $2 \times 5 = 10$
- Name two primary influencers of coastal zone biogeochemical cycles.
 - Write names of two edaphic factors that influence coastal biology.
 - How do you differentiate mangroves from mangrove associates?
 - Write the full form of ICZM. Mention one importance of having ICZM in effect.
 - Give a method of coastal zone risk reduction.
 - What is the importance of salinity in coastal zone agriculture?

- Define endemism with one example of an endemic flora.
 - Give two implications of habitat process.
2. Answer any **two** of the following : $5 \times 2 = 10$
- Give an account of the biological phenomenon and processes associated with food webs.
 - Highlight the importance of understanding edaphic factors in the context of coastal zone forestry.
 - Give an account of various means of ecological restoration.
 - Enumerate the ecological importance of mangrove.
3. Answer any **two** of the following questions: $10 \times 2 = 20$
- Give a detailed description of salinity management for crop production.
 - Write an explanatory note on value of biodiversity.
 - Describe the role and importance of Remote Sensing and GIS in coastal zone management.
 - Explain the formation, development and succession of mangroves.

[Turn Over]