

**U.G. 6th Semester Examination-2021**

**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 :      2×5=10
- What are the principal interacting factors those affect the sustainable coastal environment?
  - What are the edaphic factors those regulate the justifiable coastal biology?
  - What are the roles of coastal biology in environment?
  - How the sustainability of coastal environment depends on social activity of the surrounding area?

- What are the prime economic importance of coastal biodiversity?
- Mangroves are the resourceful component of the tropical and sub-tropical coastal zones – Justify.
- Comment on the hazardous impact of salinity increment in estuarine vegetation.
- Give a brief idea of soil parameters in coastal area.

2. Answer any **two** from the following:      5×2=10

- Write a brief account of estuary land formation.
- What are the hazardous phenomenon occur to the coastal environment?
- Write brief sketches of physiological adaptation of the coastal plants.
- Why the conservation measures should be taken to the sustainable coastal environment?

3. Answer any **two** from the following:      10×2=20

- Define mangroves. Give an account regarding the possible factors towards the declination of the mangrove vegetation.      2+8
- What are the microbial role in restoring coastal biology?      10

- c) What do you know about the agricultural crops in coastal zone? How the crops cope with the soil salinity of the coastal zone? 3+7
- d) Give an overview of climate change and demographic pressure on coastal ecology. 10
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