

Total Marks: 75

Duration: 2 1/2 hrs

N.B:1. All questions are compulsory.

2. Figures to the right indicate marks.

3. Draw neat and labeled diagrams wherever necessary.

- Q.1) Give an account of the following**
- (A) Salient features of Bryophyta with two examples. (7)
OR
- (A) Gametophyte and Sporophyte of Pteridophyte. (7)
- (B) Characteristics features of Phaeophyceae and Rhodophyceae. (8)
OR
- (B) Organization of plant parts and heteromorphic alternation of generation in Bryophytes. (8)
- (C) **Attempt any ONE of the following:** (5)
- (i) Write a note on Reproduction in algae. (5)
- (ii) Distinguish between Gymnosperm and Angiosperm
- Q.2) Give an account of the following**
- (A) Phylum Mollusca & its classes. (7)
OR
- (A) Give the general characters of Class Mammalia & Class Reptilia. (7)
- (B) Phylum Arthropoda & its classes. (8)
OR
- (B) Salient features of Phylum Echinodermata with suitable examples. (8)
- (C) **Attempt any ONE of the following:** (5)
- (i) Define Coelom & its types. (5)
- (ii) Distinguish between Osteichthyes & Chondrichthyes
- Q.3) Give an account of the following**
- (A) Marine Ecosystem (7)
OR
- (A) Structure and functional components of Ecosystem. (7)
- (B) Pyramid of biomass. (8)
OR
- (B) Flow of energy in an Ecosystem. (8)
- (C) **Attempt any ONE of the following:** (5)
- (i) Define food chain. (5)
- (ii) Enlist the character of Coniferous and Thorn forest.

Q.4)

Attempt Any **THREE** of the following:

(15)

- (i) Define different whorls that form a flower.
- (ii) Enlist the characters of Pteridophyta.
- (iii) Characters of Phylum Porifera
- (iv) Characters of Phylum Aschelminthes
- (v) Write a note on fresh water ecosystem.
- (vi) Define Evergreen forest.

~~~~~All the best~~~~~