

Note: 1) All questions are compulsory.

2) Figures to right indicate marks.

3) Draw labelled diagrams wherever necessary.

Q.1 Answer the following. (Any two)

20

- 1) Describe the internal structural of main axis of Sargassum.
- 2) Describe the internal structure of leaf of Sargassum.
- 3) Classify Dictyota and give diagrammatic representation of its life cycle.
- 4) Describe asexual reproduction in Dictyota.

20

Q.2 Answer the following. (Any two)

- 1) Give characteristic features of Bryophyta and classify Anthoceros with reasons.
- 2) Classify Funaria with reasons and explain its morphology.
- 3) Describe the L.S. of Sporophyte of Anthoceros.
- 4) Describe the L.S. of Sporophyte of Funaria.

20

Q.3 Answer the following. (any two)

- 1) Give the systematic position, distinguishing characters, floral formula and two plants of economic importance of the family Magnoliaceae.
- 2) Give the systematic position, distinguishing characters, floral formula and two plants of economic importance of the family Apocynaceae.
- 3) Explain the different types of corolla.
- 4) Explain the different types of union of stamens.

15

Q.4 Write short notes on. (Any three)

- 1) External morphology of Dictyota.
- 2) Give systematic position of Sargassum.
- 3) T.S. of thallus of Anthoceros.
- 4) External morphology of Funaria.
- 5) Types of Aestivations.
- 6) Types of Placentations.

— The End —