

5942/MH

A-S-2021
BASIC BOTANY-IX
SEMESTER-IV (MAY 2019)

TIME 3 HOURS

MM: 44

Note : The candidates are required to attempt two questions each from, Section A and B carrying 7 marks each and the entire Section C consisting of 08 short answer type questions carrying 2 marks each

Section A

- 1 Discuss general characteristics features of Bryophytes.
- 2 Write notes on:-
 - i) Lamarck's theory
 - ii) Homologous organs.
- 3 Define Variation. Discuss its various types.
- 4 Discuss morphological characters of Hydrophytes..

Section B

- 5 Explain following:
 - i) Components of ecosystem
 - ii) Food chain
- 6 Write a note on effects and control measure of water and soil pollution.
- 7 Explain the process of transpiration. Also write its significance.
- 8 What do you mean by Vernalization Hormones? Explain their applications in Agriculture.

Section C

- 9 Write short notes on following:-
 - a) Two features of Fungi.
 - b) Food web
 - c) Lithosphere
 - d) Draw Kreb's cycle
 - e) Succession
 - f) Define ecosystem.
 - g) Vestigial organs
 - h) Xerophytes