

Roll No.....

21211

**B. Sc. (Pass Course) 2nd Semester
Examination – May, 2019**

BOTANY - I (DIVERSITY OF ARCHEGONIATE)

Paper : BOT-2.1

Time : Three hours] [Maximum Marks : 40

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Unit. Question No. 1 is *compulsory*.

1. (a) Equisetum are commonly called as 1
- (b) Rhizophores are found in plants. 1
- (c) Define Dictyostele. 1
- (d) Define Heterospory. 1
- (e) The important character of Rhizoid in Funaria. 1
- (f) Two types of scales in Marchantia are and 1

P. T. O.

- (g) What makes bluish green spots in Anthoceros ? 1
 (h) Define Apogamy. 1

UNIT - I

2. (a) What is Alternation of Generations ? Explain with an example. 5
 (b) Bryophytes are called Amphibians of plant kingdom. Explain. 3
 3. Give general characters of Bryophytes. 8

UNIT - II

4. Describe external and internal structure of Capsule of Funaria. 8
 5. Compare the Sporophytes of Marchantia and Anthoceros. 8

UNIT - III

6. Give the details of Stellar evolution with relevant diagrams. 8
 7. Give salient features of classification upto classes in Pteridophytes. 8

(2)

UNIT - IV

8. Write short notes with diagrams on :
 (a) Sporangium of Pteris.
 (b) Plant body of Rhynia.
 9. Compare stem anatomy of Selaginella and equise

(3)