2024

B.A./B.Sc.

Second Semester

CORE – 4

BOTANY

Course Code: BOC 2.21 (Archegoniate)

Total Mark: 70 Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT_I

- 1. Write a note on the unifying features of archegoniate and their transition to land habit.
- 2. Write notes on the following:

 $7 \times 2 = 14$

- (a) Range of thallus organization in bryophytes
- (b) Early land plants

UNIT-II

- 3. Explain in detail the reproductive structures in *Anthoceros* with the help of appropriate diagrams.
- 4. Write notes on the following:

 $7 \times 2 = 14$

- (a) Anatomy of Marchantia thallus
- (b) Archegonial branch of Sphagnum

UNIT-III

- 5. Explain in detail, the morphology and anatomy of the sporophyte of *Selaginella* with appropriate diagrams.
- 6. Write notes on the following:

 $7 \times 2 = 14$

14

- (a) Heterospory
- (b) Economic importance of pteridophytes

UNIT-IV

ms. 7
7×2=14
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