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**(Sem-2/CBCS)BOT**

**2023**

**BOTANY**

(Honors)

**Paper Code: BOT-HC-2026**

*(Archegoniates)*

Full Marks: 30

Time: 1 ½ hours

1. Answer the following :

1X4=4

- (a) Which bryophyte is also known as bog moss.
- (b) Why mosses and ferns prefer to grow on shady and moist places.
- (c) Club moss is a type of .....
- (d) Name one early pteridophyte.

2. Short note on: (*any three*)

2X3=6

- (a) What type of sporophytes are found on Bryophytes.
- (b) What do you mean by alternation of generation.
- (c) Write two differences between bryophytes and pteridophytes.
- (d) Describe stele.

3. Write briefly on the following: (*any two*)

5X2=10

- (a) Write a note on asexual reproduction in bryophytes.
- (b) Adaptations to land habit
- (c) Heterospory and seed habit.

4. Answer the following questions (*any one*)

10

- (a) Explain briefly the morphology, anatomy and reproduction and life cycle of *Riccia*.  
3+7=10
- (b) Explain briefly the morphology, anatomy and reproduction and life cycle of *Pteris*.