Total No. of Questions: 11

[Total No. of Printed Pages : 3

BOTASEM-106

M.Sc. (Ist Semester) Examination Dec., 2022 BOTANY

Paper - BOT-102

(Diversity of Bryophytes and Pteridophytes)

Time: 3 Hours [Maximum Marks: 40

Section-A (Marks : $1 \times 10 = 10$)

Note: Answer all ten questions (Answer limit 50 words). Each question carries1 mark.

Section–B (Marks : $3 \times 5 = 15$)

Note: Answer all five questions. Each question has internal choice (Answer limit200 words). Each question carries 3 marks.

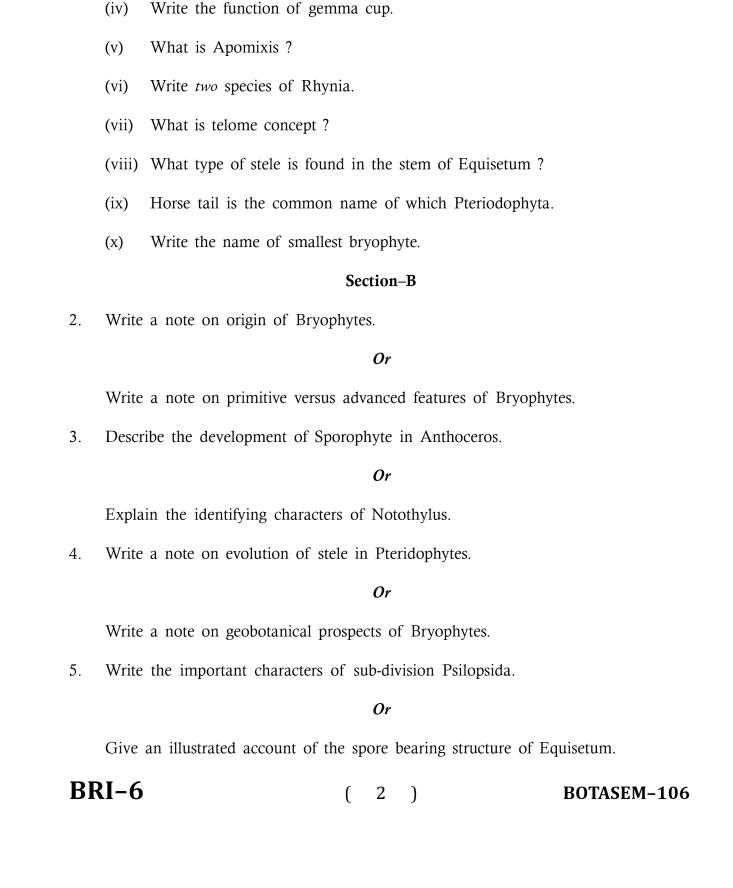
Section–C (Marks: $5 \times 3 = 15$)

Note: Answer any *three* questions out of five (Answer limit **500** words). Each question carries **5** marks.

Section-A

- 1. (i) How will you distinguish scales and the rhizoids?
 - (ii) What do you understand by aposporous gametophytes?

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Why species of Anthoceros are called 'hornworts'?

(iii)

6. Explain the life-cycle of salvinia with the help of labelled diagrams.

Or

Write a note on Soral Evolution.

Section-C

- 7. Comments briefly on the classification of Bryophytes.
- 8. With the help of labelled diagrams only illustrate life-cycle of Buxbaumia.
- 9. Explain Heterospory and seed habit in Pteridophytes.
- 10. Write systematics, Reproduction and Phylogeny of Isoetes.
- 11. With the help of labelled diagrams explain the life-cycle of Ophioglossum.