



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examination 2023

(Under CBCS Pattern)

Semester — II

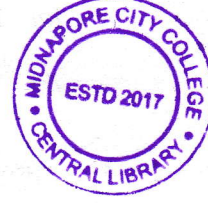
Subject : BOTANY

Paper : C-4T

(Archegoniate)

Full Marks : 40

Time : 2 hours



*Candidates are required to give their answers
in their own words as far as practicable.*

The figures in the margin indicate full marks.

Answer **all** questions.

1. Answer **any five** questions from the following :
2×5=10

(a) What is coralloid root?

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(Turn Over)



(2)

- (b) Name two Indian species of *Porella*.
- (c) Distinguish between perichaetium and perigynium.
- (d) Give botanical names of two edible ferns.
- (e) In which geological age *Cooksonia* exists? Write two important features of *Cooksonia*.
- (f) What is sulphur shower?
- (g) Mention two fern characters of *Cycas*.
- (h) What is transfusion tissue?
2. Answer **any four** questions from the following :
5×4=20
- (a) Draw and describe briefly the sporophyte of *Riccia*. Why is it considered as simplest among bryophytes? 3+2=5
- (b) Draw and describe the structure of mature capsule of *Funaria*. 2+3=5
- (c) What is telome? Describe the origin of sporangiphore of *Equisetum*, according to the telome theory. 2+3=5
- (d) Discuss briefly the evolution of stele among Pteridophytes. 5

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(Continued)

(3)

- (e) Briefly describe two types of gametophyte development in *Lycopodium*. 5
- (f) Draw and describe the male cone of *Cycas*. 5
3. Answer **any one** question from the following :
10×1=10
- (a) Write short notes on the following :
5×2=10
- (i) Female gametophyte of *Pinus*
- (ii) Economic importance of Gymnosperms
- (b) Draw and describe the salient features of *Anthoceros* sporophytes. Why is Anthocerotopsida considered as a synthetic group? 5+5=10

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S-2/B.Sc./BOTH(C-4T)/23

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