

Seat No.	
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B.Sc. (Part - III) (Semester - V) Examination, November - 2018

BOTANY

Biology of Non-Vascular Plants and Palaeobotany

(Paper - IX)

Sub. Code : 65836

Day and Date : Monday, 12 - 11 - 2018

Total Marks : 40

Time : 12.00 Noon to 2.00 p.m.

- Instructions :**
- 1) All questions are compulsory.
 - 2) Draw neat & labelled diagrams whenever necessary.
 - 3) Figures to the right indicate full marks.

Q1) Rewrite the following sentences by choosing the correct alternative : [8]

- a) Algae growing in ice are called _____.
 - i) epiphytes
 - ii) cryophytes
 - iii) thermophytes
 - iv) endophytes
- b) _____ alga grows as endophyte in the coralloid roots of Cycas.
 - i) Chlorella
 - ii) Nostoc
 - iii) Ulothrix
 - iv) Ectocarpus
- c) Coenocytic mycelium occurs in _____.
 - i) Puccinia
 - ii) Aspergillus
 - iii) Albugo
 - iv) Uncinula
- d) Conidia in Albugo are produced in _____ manner.
 - i) basipetal
 - ii) centripetal
 - iii) acropetal
 - iv) centrifugal
- e) Genus Funaria belongs to _____ class.
 - i) Hepaticopsida
 - ii) Bryopsida
 - iii) Anthocerotopsida
 - iv) Psilopsida

P.T.O.

- f) _____ are called as 'Amphibians of Plant Kingdom'.
- i) Angiosperms
 - ii) Gymnosperms
 - iii) Bryophytes
 - iv) Pteridophytes
- g) Angiosperms were dominant in _____ period.
- i) Jurassic
 - ii) Triassic
 - iii) Cretaceous
 - iv) Permian
- h) Enigmocarpon is _____ genus.
- i) stem
 - ii) root
 - iii) fruit
 - iv) leaf

Q2) Attempt any two of the following : [16]

- a) Describe the sexual reproduction in Albugo.
- b) Describe reproduction in fungi.
- c) Give the applications of palaeobotany.

Q3) Attempt any four of the following : [16]

- a) Unilocular sporangium in Ectocarpus.
- b) Structure of Nucule.
- c) Capsule of Funaria.
- d) Lyginopteris.
- e) Evolution of sex in algae.
- f) Compression.

