



SS - 366

III Semester B.Sc. Examination, Nov./Dec. 2018
(NS) (2012-13 and Onwards) (Repeaters Prior to 2015-16)
BOTANY - III

Pteridophytes, Paleobotany, Environmental Biology and Phytogeography

Time : 3 Hours

Max. Marks : 70

- Instructions :** 1) Answer all Parts.
2) Draw diagrams wherever necessary.

PART - A

A. Answer any seven of the following :

(7×2=14)

- 1) What is Agroforestry ?
- 2) Define Autecology.
- 3) What is vallecular canal ?
- 4) Define Insitu conservation.
- 5) What is heterospory ? Give an example.
- 6) Draw labelled diagram of T.S. of synangium of Psilotum.
- 7) What are xerophytes ? Give an example.
- 8) Mention any 2 vegetational types of Karnataka.
- 9) What is Remote sensing ?

PART - B

B. Answer any six of the following :

(6×4=24)

- 10) Soil profile.
- 11) HLS of Marsilea sporocarp.
- 12) Contributions of Prof Birbal Sahni to Paleobotany.
- 13) Any two phytogeographical regions of India.
- 14) Adaptations in Halophytes.
- 15) Bisporangiate strobilus of cycadeoidea.
- 16) Grassland ecosystem.
- 17) Seed bank.

PART - C

C. Give a detailed account of any four of the following :

(4×8=32)

- 18) T.S. of Selaginella stem with neat labelled diagram.
- 19) Hydrosere.
- 20) Adaptations in Epiphytes and Parasites.
- 21) Soil conservation methods.
- 22) Stelar evolution in pteridophytes.
- 23) Any four types of fossils.

BMSCW