

III Semester B.Sc. Examination, November/December 2017
(N.S.) (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) Which plant is referred as Horsetail ?
- 2) Who discovered Rhynia ?
- 3) What are coal balls ?
- 4) Define Food web.
- 5) What is Heterospory ? Give an example.
- 6) Mention any two contributions of Prof. Birbal Sahani.
- 7) Define social forestry.
- 8) What are Pyrophytes ? Give an example.
- 9) What is Gene Bank ? Mention its importance.

PART – B

B. Describe any **six** of the following :

(6×4=24)

- 10) Water shed management.
- 11) Calamites.

P.T.O.



- 12) Xerosere.
- 13) Paleozoic era.
- 14) In-situ conservation.
- 15) Any two major vegetational types in Karnataka.
- 16) T-S of Rhizome of Psilotum.
- 17) Crop land Ecosystem.

PART – C

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

(4×8=32)

- 18) Internal structure of sporocarp.
- 19) Adaptations of Hydrophytes.
- 20) Morphology and Anatomy of Equisetum stem.
- 21) Cycadeoidea.
- 22) Marine Ecosystem.
- 23) Method of conservation of soil.

BMSCW