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NS – 324

III Semester B.Sc. Examination, Nov./Dec. 2016  
(NS) (2012-13 and Onwards) (Repeaters – Prior to 2015-16)  
**BOTANY – III**  
Pteridophytes, Palaeobotany, Environmental Biology and  
Phytogeography

Time : 3 Hours

Max. Marks : 70

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

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PART – A

A. Answer **any seven** of the following :

(7×2=14)

- 1) What is Sporocarp ?
- 2) Define Epiphytes. Give an example.
- 3) What is Vallecular canal ? Give an example.
- 4) Mention two species of Rhynia.
- 5) What is Afforestation ?
- 6) What is seed bank ? Mention two uses of seed bank.
- 7) Draw a neat labelled diagram of sporophyte of Psilotum.
- 8) What is a Ligule ? Give an example.
- 9) What is Vivipary ? Give an example.

PART – B

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

(6×4=24)

- 10) Rhizophore.
- 11) Contributions of Prof. Birbal Sahani.
- 12) Remote sensing.
- 13) Gene bank.
- 14) Grassland ecosystem.

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- 15) Hydrophytes.
- 16) T.S. of stem of Equisetum.
- 17) Casts and Moulds.

PART - C

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

(4×8=32)

- 18) Climatic factors.
- 19) Xerosere.
- 20) Flower of cycadeoidea.
- 21) Stelar evolution in pteridophytes.
- 22) H.L.S. of sporocarp of Marselia.
- 23) Xerophytic and Parasitic adaptations.

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