

SN – 261

III Semester B.Sc. Examination, November/December 2014
(N.S.) (Semester Scheme)
(2012-13 & Onwards)
BOTANY (Paper – III)
Pteridophytes, Palaeobotany, Environmental Biology and
Phytogeography

Time : 3 Hours

Max. Marks : 70

Instructions : i) Answer *all* Parts.
ii) Draw diagrams *wherever* necessary.

PART – A

BMSCW

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

(7×2=14)

- 1) What is amber ?
- 2) Define protostele.
- 3) Define Food Chain.
- 4) What is sporocarp ? Give an example.
- 5) Define Halophyte with an example.
- 6) Sporangium of Rhynia.
- 7) What is Heterospory ?
- 8) Define synecology.
- 9) Mention any two methods of soil conservation.

PART – B

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

(6×4=24)

- 10) T.S. of stem of Psilotum.
- 11) Describe any two types of fossils.

P.T.O.



12) Ozone depletion.

13) T.S. of equisetum stem.

14) Strobilus of selaginella.

15) Flow of energy in an ecosystem.

16) Ecological adaptations of Halophytes.

17) Grass land Ecosystem.

PART – C

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

(4x8=??)

18) Stealar evolution in pteridophytes.

19) Explain the cone of selaginella with a neat labelled diagram.

20) Write a note on Xerophytes and Parasites.

21) Explain the Climatic factors.

22) Explain the stem of calamites.

23) Explain the ecological pyramid of Number and Energy.
