**II Semester Botany Model Question Paper**

Basics of Vascular plants and Phytogeography

(Pteridophytes, Gymnosperms, Taxonomy of Angiosperms and Phytogeography)

Time : 3h. Max. Marks 75

I Answer one from each Section. Carry equal Marks 10x5 =50 Marks

Section A

1. Discuss about Stelar evaluation in pteridophytes ? OR

 Explain the Internal structure of Marsilea Stem ?

Section B

2. Describe The General Characters of Gymnosperms? OR

 Explain the Internal structure of Cycas Leaf ?

Section C

3. Write about ICBN- rules for nomenclature? OR

 Discuss the concept of digital herbaria?

Section D

4. Systematic description and economic importance of Astraceae ? OR

 Systematic description and economic importance of Poeaceae ?

Section E

5. Describe the Endemism and its types and causes? OR

 Explain the Vegetation types in Andhra Pradesh

II Answer any 5 from following. Carry equal Marks 3x5= 15Marks

 6. Sporocarp in Marsilea. 7. Heterospory .

 8. Ovule of Gnetum. 9. Cycadales

10. Raneles 11. Euphrbiaceae Economic Importance.

12. Asclepiadaceae Flower Structure 13. Principles of Phytogeography

III Answer all from following. Carry equal Marks 2x5 = 10 Marks

14. Eastern Himalayas 15. Flower of Annonaceae

16. Cucurbitaceae Stamens 17. Protostele

18. Gnetum Male Cone