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**ST. JOSEPH’S COLLEGE, AUTONOMOUS, BANGALORE-27**

**SEMESTER EXAMINATION–APRIL 2019**

**M.Sc., BOTANY- II Semester**

**BO-8118 : Pteridophytes and Gymnosperms**

**Time-2 ½ hrs Max. Marks : 70**

This question paper has **ONE** printed page and **three** parts

***Instruction- Draw diagrams and write examples wherever necessary***

1. **Answer any TEN the following in one or two sentences 10x2=20**
2. Reimer
3. Enations
4. Coenosorus
5. Velum
6. *Cingularia*
7. Girdle traces
8. *Cornoconites compactum*
9. Aril in *Taxus*
10. Pycnoxylic wood
11. Epimatium
12. Xylotomy
13. Ephedrine
14. **Write critical notes on any FIVE of the following 5x6=30**
15. Characteristic features of Marsileales
16. Lepidodendron
17. Economic importance of Pteridophytes
18. Affinities of Gymnosperms with Pteridophytes
19. Fructification of Glossopteris
20. Salient features of Gnetales
21. Leaf anatomy of Cordaitales
22. **Give a comprehensive account on any TWO of the following 2x10=20**
23. Heterospory and seed habit.
24. Evolution of stelar system in Pteridophytes.
25. Experimental works in Gymnosperms.

**BO.8118-B**