

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BENGALURU-27
B.Sc. BOTANY – III SEMESTER
MID-SEMESTER EXAMINATION: AUGUST 2019
BO 318: PTERIDOPHYTES, GYMNOSPERMS & PALAEOBOTANY

Time: 1 hour

Max. Marks: 30

Draw labelled diagrams and write examples wherever necessary
This paper contains ONE printed page and TWO parts

A. Answer any NINE of the following:

9x2=18

1. Amber
2. Carborundum powder
3. Circinate vernation
4. Corolloid Roots
5. Exosporic gametophyte
6. Foliar Spur
7. Heterospory
8. Orthotropous Ovule
9. Periods of Mesozoic era
10. Stalactites
11. *Synangium*
12. Tyloses

B. Write notes on any TWO of the following:

2x6=12

13. Maceration Technique
14. Stelar variations in *Lycopodium sp.*
15. Draw a neat diagram of T.S of *Pinus* needle