**ST.JOSEPH’S COLLEGE (AUTONOMOUS) BENGALURU- 560027**

**B.Sc. BOTANY –IV SEMESTER**

**SEMESTER EXAMINATION – APRIL: 2018**

**BO 415 –EMBRYOLOGY OF ANGIOSPERMS, PALYNOLOGY AND ENVIRONMENTAL BIOLOGY**

**Time: 1½ hrs Max.Marks:35**

**This question paper has ONE printed page and THREE parts Instructions: Draw diagrams and write examples wherever necessary**

**A. Write on any FIVE of the following in one or two sentences: 5x2=10**

1. Successive cytokinesis

2. Endothelium

3. Totipotency

4. Parasitism

5. Food web

6. Pantoporate pollen grain

7. Synecology

**B. Write Critical notes on any THREE of the following 3x5=15**

8. Differentiate mature dicot and monocot embryo

9. Fritillaria type of embryosac development

10. Embryo culture and its significance

11. Green house effect

12. Tropical rain forest ecosystem.

**C. Give a comprehensive account of any ONE of the following 1x10=10**

13. Ecological succession in xerosere

14. Structure of an anther

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