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Register Number:

DATE: **25-04-2017**

**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BENGALURU-27**

 **B.Sc. BOTANY –IV SEMESTER**

**SEMESTER EXAMINATION - APRIL-2017**

**BO 415: Embryology of Angiosperms, Palynology**

**and Environmental Biology**

**Time: 1 1/2 hr Max.Marks:35**

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

**A. Explain/ Define any FIVE of the following in one or two sentences 5x2=10**

 1. Autecology

 2. Pollen aperture

 3. Filiform apparatus

 4. Hemianatropous ovule

 5. Allelopathy

 6. Triple fusion

 7. Ecosystem

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

 8**.** Differentiate dicot and monocot embryo

 9. Structure of anther wall

 10. Exine ornamentation

 11. Ozone layer depletion

 12. Embryo culture and its significance

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

 13. Development of male gametophyte in angiosperm

 14. Ecological succession in xerosere