****

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