**Register Number:**

**Date:**

**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- 1 ½ hrs Max Marks-35**

**This paper contains ONE printed page and THREE parts**

**Instructions: draw diagrams and write examples wherever necessary**

1. **Write on any FIVE of the following in one or two sentences each 5X2=10**

1. Tapetum

2. Caruncle

3. Scutellum

4. Helobial endosperm

5. Pollenkitt

6. Synecology

7. Allelopathy

**B. Write critical notes on any THREE of the following 3X5=15**

8. Embryo culture and its significance

9. Structure of anatropous ovule

10. Exine ornamentation of tectate pollen

11. Soil profile

12. Ozone depletion

**C. Give a comprehensive account on any ONE of the following 1X10=10**

13. Double fertilization and its significance

14. Ecological succession – Xerosere

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