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

**B.Sc. BOTANY- IVSEMESTER**

**SEMESTER EXAMINATION: APRIL-2019**

**BO 415: Embryology of Angiosperms, Palynology and Environmental Biology**

**TIME: 1 ½ Hrs MAX.MARKS:35**

**\*This question paper has one printed page and three parts**

***\* Draw diagrams wherever necessary***

**A. Define / Explain briefly any FIVE of the following: 2 x 5 = 10**

1. Allelopathy
2. Totipotency
3. Pantaporate pollen
4. Pilar element
5. Detritus food chain
6. Integumentary tapetum
7. Albuminous seeds

**B. Write critical notes on any THREE of the following: 5 x 3 =15**

1. Types of tapetum and functions
2. Greenhouse effect
3. Ecological pyramids (two types)
4. Process of Double Fertilization
5. Embryo culture and its significance

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**C. Write a comprehensive account of any ONE of the following: 10x1 = 10**

13. Ecological Succession in Xerosere

14. Types of Embryosac development (Any two types)

 -BO.415-B