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Register Number:

DATE: **25** **-04-2018 (9AM)**

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

**B.Sc - IV SEMESTER**

**SEMESTER EXAMINATION: APRIL 2018**

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

**TIME : 1½ hrs MAX. MARKS: 35**

 ***This paper contains ONE printed side and THREE sections***

***Draw diagrams wherever necessary***

1. **Write on any FIVE of the following in one or two sentences: 5x2 = 10**
2. Caruncle
3. Amoeboid Tapetum
4. Significance of double fertilization
5. Dedifferentiation
6. Tectum
7. Fossulate pattern of exine
8. Protocooperation
9. **Write critical notes on any THREE of the following : 3x5 = 15**
10. Ecological pyramids
11. Free nuclear endosperm
12. Soil profile
13. *Polygonum* type of embryosac development
14. Ozone layer depletion
15. **Give comprehensive account on any ONE of the following : 1x10 = 10**

1. Development of male gametophyte
2. Tropical Rain Forest

 BO-415-A-18