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Register Number :

Date :

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

**B.Sc. – VI SEMESTER**

**SEMESTER EXAMINATION: APRIL 2019**

**BO 6115 : Plant Physiology**

Time- 2 ½ hrs Max Marks-70

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

**Draw diagrams and write examples where necessary**

1. **Define any TEN of the following in two or three sentences 10 × 2 = 20**

1. Guttation

2. Aeroponics

3. Autoradiography

4. Rhizobium

5. p-proteins

6. Cyclosis

7. Frets

8. RQ

9. FMN

10. Autonomic movements

11. Richmond –Lang effect

12. Oxidative phosphorylation

1. **Write critical notes on any FIVE of the following 5 × 6 = 30**

13. K+ ion theory

14. Theories of passive uptake of ions

15. Factors affecting phloem transport

16. Vein loading and unloading

17. Chemiosmotic hypothesis

18. Photorespiration

19. Photoperiodism

1. **Give a comprehensive account of any TWO of the following 2 × 10 = 20**

20. TCA cycle

21. Biological Nitrogen Fixation in legumes

22. Role of Auxins and Abscissic acid in plant growth