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

**B.Sc. (BOTANY)– IV SEMESTER**

**SEMESTER EXAMINATION: APRIL 2023**

**(Examination conducted in May 2023)**

**BO 422 – ECOLOGY AND CONSERVATION BIOLOGY**

**Time: 2 Hours Max Marks: 60**

Draw diagrams and write examples wherever necessary

This paper contains ONE printed page and THREE parts

**A. Answer any TEN of the following: 10x2=20**

1. Acid rain
2. Allen’s rule
3. BIDE Model
4. Carbon footprint
5. CBD
6. Crude density
7. Denitrifying bacteria
8. Endomycorrhiza
9. ENM
10. IAS
11. IVI
12. Keystone species

**B. Write a critical note on any FIVE of the following: 5x6=30**

1. Ecological Pyramids
2. Biosphere reserve with one example
3. Joint Forest Management
4. Soil Profile
5. Survivorship curves
6. Tropical Rainforest biome
7. Xerosere

**C. Give a comprehensive account of any ONE of the following: 1x10=10**

1. Any five positive ecological interactions with suitable examples
2. IUCN Red list categories