**Reg. No.:**

**Date: 5-12-2022 ( 9am )**

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

**M.Sc. BOTANY - III SEMESTER**

**SEMESTER EXAMINATION: OCTOBER 2022**

(Examination conducted in December 2022)

**BO 9222: ECOLOGY AND ENVIRONMENTAL BIOLOGY**

**Time- 2½ hrs Max Marks-70**

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. BIDE model
3. Biomagnification
4. Commensalism
5. Crude density
6. EIA
7. ENM
8. IVI
9. Mercury pollution
10. NPP
11. Red data book
12. Survivorship curve

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

1. An overview of sustainable agriculture
2. Boreal forests
3. Endangered Species Categories
4. Isolation (any three types)
5. Ozone layer depletion
6. Sources of water pollutants
7. Xerosere

**C. Give a comprehensive account of any TWO of the following: 2x10=20**

1. An overview of alternative energy resources
2. Methods of studying vegetation
3. Nitrogen cycle