

Date:

Registration number:

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

B.A. HISTORY - III SEMESTER

SEMESTER EXAMINATION: OCTOBER 2021

(Examination conducted in January-March 2022)

**BO 9218 – Ecology and Environmental Biology**

Time- 2 ½ hrs Max Marks-70

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

Draw diagrams and write examples wherever necessary

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

1. EIA
2. CBD
3. Allelopathy
4. Territoriality
5. Point method
6. Age pyramids
7. Denitrification
8. Red data book
9. Biomagnification
10. Carrying capacity
11. Sewage and sullage
12. Ozone layer depletion

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

1. Wind energy
2. Tundra biome
3. Phytoremediation
4. Sustainable agriculture
5. Ecological Niche Modelling
6. Sources of water pollutants
7. Endangered species categories

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

1. Municipal Solid Waste management
2. Primary and secondary air pollutants
3. Calculate IVI for the following data set & prepare a phytograph for the dominant species

|  |  |  |  |
| --- | --- | --- | --- |
| **Species** | **Density/ha** | **Frequency/ha** | **Basal Area/ha** |
| Species A | 15 | 6 | 75 |
| Species B | 10 | 2 | 50 |
| Species C | 20 | 8 | 100 |
| Species D | 15 | 8 | 75 |