

Date:

Registration number:

ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-560 027

SEMESTER EXAMINATION, APRIL 2022

IV SEMESTER- ENVIRONMENTAL SCIENCE

ES 418 - Natural Resources and Management

(Examination conducted in July 2022)

**TIME: 1½ Hours Max. Marks: 35**

**Instruction: Draw flowcharts/diagrams wherever necessary**

# PART-A

## Answer any FIVE of the following. 1X5=5

1. What are Flagship species?
2. What are the four environmental impacts of deforestation?
3. What are the reasons for forest fires? Give two examples of recent forest fires
4. Define natural resources management with examples.
5. What is rainwater harvesting?
6. What is agroforestry? Name the state where it is more commonly practised?
7. What are various levels of biodiversity?

**PART-B**

**Write explanatory notes on any FOUR of the following. 5X4= 20**

1. Solar Energy prospects in India with its success stories
2. Significant features of Wild Life (Protection) Act 1972
3. Keystone species with their types
4. Biopiracy and its implications for India
5. Water Corporatisation and Water conflicts in India
6. Red Data Book and its salient features

**PART- C**

**Illustrate your answer with descriptions (ANY ONE) 10X1=10**

1. What are various reasons for deforestation in India? Suggest Various initiatives towards biodiversity conservations in India (4+6)

**OR**

What are various non-conventional energy resources? Is nuclear Energy a viable option for India? Analyse this option with its various merits and demerits. (4+6)