**ST JOSEPH’S UNIVERSITY, BENGALURU - 27**

Registration Number:

Date & session:

**M.Sc. (ENVIRONMENTAL SCIENCE AND SUSTAINABILITY) – 2nd SEMESTER**

**SEMESTER EXAMINATION: APRIL 2024**

**(Examination conducted in May / June 2024)**

**ES 8122 – NATURAL RESOURCES MANAGEMENT**

**(For current batch students only)**

**Time: 2 Hours Max Marks: 50**

1. **This paper contains ONE printed pages and THREE parts**
2. **Draw diagrams wherever necessary**

**PART – A**

**Answer any FIVE of the following: 5q X 2m = 10m**

1. Differentiate between ubiquitous and localised resources.
2. What are land resources? Cite two examples.
3. List any two ecological implications of mineral extraction.
4. List any four forest-based industries. Cite examples of their products.
5. Define Ethnobotany. List the significances of ethnobotany in conservation.
6. Define geothermal energy. List the geological factors favouring its production.
7. List any two pros and cons of biomass energy.

**PART – B**

**Answer any FOUR of the following 4q X 5m = 20m**

1. *'International cooperation is imperative in mitigating climatic change'*. Comment.
2. Discuss the impacts of desalinisation of ocean water.
3. *'Current water crisis in Bengaluru is anthropogenic'*. Justify.
4. Present the salient features of Forest (Conservation) Rules, 2022.
5. *'Urban forestry can help address environmental challenges'*. Comment.
6. *'Hydroelectric energy may not fulfill the needs of future India'*. Deliberate.

**PART – C**

**Answer ALL the questions 2q X 10m = 20m**

1. Discuss the significance of agro-climatic zones of India.

**OR**

Present a case study of human-animal conflict resolution.

1. Present the selection criteria for Ramsar conservation sites. Add a case study.

**OR**

Explain the process of nuclear power generation. Add a note on its positive and negative impacts. (6+4).