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

Registration Number:

Date & session:

**M.Sc. (ENVIRONMENTAL SCIENCE) – III SEMESTER**

**SEMESTER EXAMINATION: OCTOBER 2023**

**(Examination conducted in November/December 2023)**

**ES 9123 – CLIMATE CHANGE AND DISASTER MANAGEMENT**

**(For current batch students only)**

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

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

***Instruction: Draw diagrams wherever necessary***

**PART – A**

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

1. Differentiate weather and climate.
2. List any two objectives of Rio Earth Summit, 1992.
3. Expand NAPCC and REDD.
4. Define energy efficiency w.r.t. buildings.
5. Define water footprint.
6. What is the concept of Mission LiFE?
7. What is a dust storm?

**PART – B**

**Write explanatory notes on any FOUR of the following 4q x 5m = 20m**

1. Climate change and Climate refugees
2. Impacts of climate change on agriculture sector
3. ISO 14064 specifications
4. Sea level rise – projections
5. Carbon credits and Carbon offsets
6. Heat waves and Cold waves

**PART – C**

**Answer ALL of the following 2q x 10m = 20m**

1. Explain the mechanism of greenhouse gas effect. Discuss any two carbon neutral activities. (5+5)

**OR**

Discuss India’s INDCs towards climate justice.

1. Discuss climate change mitigation and adaptation strategies to achieve net zero emissions. (5+5)

**OR**

Explain the types of man-made disasters. Elaborate on the causes and effects of oil spills. (5+5)