

RAMAKRISHNA MISSION VIVEKANANDA EDUCATIONAL AND RESEARCH INSTITUTE**NARENDRAPUR CAMPUS**

(Deemed-to-be University declared by Govt. of India under Section 3 of UGC Act, 1956)

Head Quarter: Belur Math, Howrah, West Bengal: 711202

(Accredited by NAAC with A++ Grade)

School of Environment and Disaster Management

Ramakrishna Mission Ashrama, Narendrapur, Kolkata-700103

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Question Nos.	Max. Marks	Marks Obtained
SECTION-A: A.01—A.15 (Page Nos. 03-05)	30	
SECTION-B: B.01—B.06 (Page Nos.06-08)	30	
TOTAL	60	

ENTRANCE EXAMINATION FOR**ADMISSION TO M.Sc. in ENVIRONMENT AND DISASTER MANAGEMENT – 2026**

(Model Question)

Maximum Marks: 60**Duration: 2 Hours****SECTION-A: 2 marks each****SECTION-B: 5 marks each****INSTRUCTIONS**

1. ALL questions are **COMPULSORY**.
2. The question paper consists of two sections: Section-A (Short Answer Type Questions) and Section-B (Descriptive Type Questions).
3. Section-A carries 2 marks each. Answers should be brief and precise -not exceeding 60–80 words per answer.
4. Section-B carries 5 marks each. Write focused, organized answers -not exceeding 200–250 words per answer.
5. Question Distribution: Section-A includes 15 short-answer questions, and Section-B includes 6 descriptive questions.
6. Candidates must write their answers only in the space provided. **No additional sheets will be supplied.**
7. The use of **calculators, electronic devices, or any reference materials is strictly prohibited.**
8. Marks will be awarded based on: Clarity of expression, Relevance of content, Use of appropriate examples (where applicable) and Correct terminology.

(To be filled by the Candidates)

Name	
Signature	
Application ID	

Invigilator's Signature:

SPACE FOR ROUGH WORK

SECTION-A: SHORT ANSWER QUESTIONS

A.01. Define biodiversity hotspot and how many biodiversity hotspots present in India.

A.02. Explain the significance of the Earth Summit (1992).

A.03. How does the energy flow function in an ecosystem?

A.04. What is environmental risk?

A.05. State the importance of the stratosphere in our atmosphere.

A.06. Differentiate between sound and noise.

A.07. State the impact of global warming on human health.

A.08. Distinguish between hazards and disasters.

A.09. What is eutrophication?

A.10. What are secondary air pollutants?

A.11. Name the apex institution of disaster management in India?

A.12. Define the significance of hydro-meteorological hazards?

A.13. Why are cloudy nights warmer compared to clear nights (without clouds) during winter days?

A.14. Discuss about the Sustainable Development Goal (SDG).

A.15. What is the importance of the Environmental (Protection) Act, 1986?

SECTION-B: DESCRIPTIVE QUESTIONS

B.01. Elaborate on the role of NDRF in the disaster management of India

B.02. What are the priorities of the Sendai Framework for Disaster Risk Reduction?

B.03. How can the concept of porosity and permeability regulate the groundwater flow and distribution?

B.04. What are the different types of droughts? And discuss about their importance in food security.

B.05. Write a short on (a) Biosphere reserve; (b) Sanctuary

B.06. Discuss about of the different physical and chemical properties of water.