

**A-568**

Total Pages : 3

Roll No. ....

**ENS-503/EVS-503**

**ENERGY RESOURCES**

**M.Sc. Environmental Science (MSCES)**

1st Semester Examination, 2024 (June)

Time : 2:00 Hrs.

Max. Marks : 70

**Note :-** This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**Long Answer Type Questions**      2×19=38

**Note :-** Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. What is Biomass ? Discuss in detail the important of biomass as an energy source in India. Explain the advantage and disadvantages of biomass energy.

**A-568/ENS-503**      ( 1 )  
**/EVS-503**

P.T.O.

2. Describe the role of renewable energy sources in reducing the risk of energy crises and their long-term implications.
3. What is energy ? Discuss the various steps involved in energy auditing.
4. What is Hydropower, and how does it generate electricity ? Describe the environmental impacts of large-scale hydropower projects on ecosystems and local communities.
5. Describe the key components of India's National Energy Policy, including its goals for energy production, consumption, and efficiency.

### **Section–B**

#### **Short Answer Type Questions**      4×8=32

**Note** :- Section 'B' contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Write a note on Indian Renewable Energy Development Agency (IREDA).
2. How do energy crises affect a nation's economy and energy security ?
3. What do you understand by coal energy ? Explain the concept of "clean coal" technology ?

4. Does the advancements in electric vehicles impacted the demand for oil ?
5. What do you understand by solar energy technology ? Explain the various advantages of solar energy technology.
6. What is hydrogen energy ? Explain the current applications of hydrogen energy in various sectors.
7. Explain the India's National Biodiesel Policy.
8. What do you understand by dendrothermal energy ? Discuss the advantages and disadvantages dendrothermal energy.

\*\*\*\*\*