

2981

4

7. What is Nuclear Energy? Discuss the various challenges associated with the generation of Nuclear Power. (15)
8. Write a short note on any **two** of the following : (7½×2=15)
- (i) Water Resources
  - (ii) Fisheries and other marine resources
  - (iii) Environmental effects of extracting mineral resources

(200)

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 2981

H

Unique Paper Code : 32181602

Name of the Paper : Natural Resources :  
Management and Sustainability

Name of the Course : **B.Sc. (H) Environmental  
Science – Core**

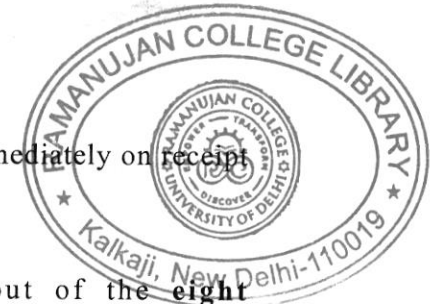
Semester : VI

Duration : 3 Hours

Maximum Marks : 75

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Answer any **five** questions out of the **eight** provided.
3. **All** Questions carry equal marks.



P.T.O.

1. (a) Write definitions of the following : (2×5=10)

- (i) Energy Crisis
- (ii) Greenhouse gases
- (iii) Carrying Capacity
- (iv) Open Pit Mining
- (v) Ocean Thermal Energy Conversion

(b) Fill in the blanks : (1×5=5)

- (i) Chipko movement was originated in the \_\_\_\_\_ district of Uttarakhand.
- (ii) \_\_\_\_\_ Hydropower plant is situated in the region of high seismicity.
- (iii) \_\_\_\_\_ is the principal ore of lead.
- (iv) \_\_\_\_\_ is the splitting of a heavy atom into two lighter ones, releasing a huge amount of energy.
- (v) \_\_\_\_\_ is a renewable, biodegradable fuel manufactured domestically from vegetable oils and animal fats.

2. Write explanatory notes the following : (5×3=15)

- (i) Sustainable Forestry
- (ii) Geothermal Energy
- (iii) Ecological Footprint

3. Write down the difference between the following : (5×3=15)

- (i) Thermal Power and Hydro Power
- (ii) Igneous Rocks and Metamorphic Rocks
- (iii) Surface Mining and Sub-Surface Mining

4. What do you understand by Resource Management. Discuss the economic and ethnological approach towards resource management. (15)

5. What do you understand by Sustainable Development and sustainability of society. Discuss any five sustainable development goals. (15)

6. What is the 'Rock Cycle'? Discuss. Also, describe the different types of surface and sub-surface mining. (15)