

[This question paper contains 3 printed pages.]

Your Roll No.

8294

JS

B.Sc. Prog./II

ES-202 -NATURAL RESOURCE MANAGEMENT

(Admissions of 2008 & onwards)

Time : 3 Hours

Maximum Marks : 75

(Write your Roll No. on the top immediately
on receipt of this question paper.)

Answer Sections A and B on separate answer-books.

Section A (Plants) (38 Marks)

Answer *three* questions in all from Section A.

Question No. 1 is compulsory.

1. Define the following : 2 × 4 = 8
 - (i) Endangered species
 - (ii) Hot spot
 - (iii) Fossil fuels
 - (iv) Rangeland

2.
 - (i) What are the threats to biodiversity ? 6
 - (ii) What strategies can be adopted to conserve biodiversity ? 6
 - (iii) Expand the following : 3
 - (a) IUCN, (b) NBPGR, (c) IPCC.

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3. (i) What are the causes of deforestation ? 5
 (ii) What restoration programmes can be undertaken to counter deforestation ? 8
 (iii) What is a 'Red Data' Book ? Why is it important? 2
4. Write short notes on the following : $5 \frac{1}{2} \times 2 = 15$
 (i) Energy use scenario in India
 (ii) Environmental references on marine resources

Section B (Animals) (37 Marks)

Answer three questions in all from Section B.

Question No. 1 is compulsory.

1. (a) Define the following : 3
 (i) Water Table
 (ii) Vulnerable Species
 (iii) Phycoculture
- (b) Differentiate between the following : 4
 (i) Salinity and Chlorinity
 (ii) Endemic and Exoticspecies
 (iii) Upwelling and Downwelling
 (iv) Surface water and Water table
2. (i) What are the advantages and disadvantages of supplying more water by withdrawing ground water ? 5

- (ii) What is salt water intrusion and what harm does it cause ? 5
- (iii) Write a short note on National Water Policy. 5
3. Briefly describe the Physical and Biological characteristics of Marine Ecosystem. 15
4. (a) Identify three main threats to Biodiversity and explain how each damages diversity. $7\frac{1}{2}$
- (b) Discuss Relevance and Evolutionary Significance of Biodiversity.

 $7\frac{1}{2}$