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3 (Sem-5/CBCS) BOT HE 1

2021

(Held in 2022)

**BOTANY**

(Honours Elective)

Paper : BOT-HE-5016

**(Natural Resource Management)**

(DSE (H)-1)

Full Marks : 60

Time : Three hours

***The figures in the margin indicate full marks for the questions.***

1. Answer the following : 1×7=7
- (a) What are natural resources ?
  - (b) Who first coined the term Biodiversity ?
  - (c) What are the five Fs of Chipko Movement ?

Contd.

- (d) Name the *two* types of soil erosion.
- (e) What is Bioprospecting ?
- (f) Give *two* examples of inexhaustible resources.
- (g) What is hotspot of surface water ?

2. Answer the following questions :  $2 \times 4 = 8$

- (a) What is Green economy ?
- (b) Write about desertification.
- (c) Silviculture
- (d) Which is the largest wetland in India ?

3. Answer **any three** of the following questions :  $5 \times 3 = 15$

- (a) Write in brief about National Biodiversity Action Plan.
- (b) Write about Geographic Information System (GIS).
- (c) Write a note on non-renewable and renewable sources of energy.
- (d) Write about the practice of Jhum cultivation in North-East India.

- (e) What are the principles of sustainable development ?

4. Answer the following questions :  $10 \times 3 = 30$

- (a) Discuss the various schemes of social forestry in India. 10

**Or**

Discuss the role of governmental organisation in the field of EIA (Environmental Impact Assessment) in India. 10

- (b) What are wastelands ? Discuss the wasteland management with reference to North-East India. 2+8=10

**Or**

Enumerate the wetland conservation strategies in India. 10

- (c) Define conservation. Describe different methods of soil conservation. 10

**Or**

What is the role of international agencies for conservation of natural resources ? Point out the important reasons as to why natural resources should be preserved. 5+5=10