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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 : $1 \times 7 = 7$

(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. $5+5=10$