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3 (Sem-5/CBCS) BOT HE 1

2023

BOTANY

(Honours Elective)

Paper : BOT-HE-5016

(Natural Resource Management)

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 non-conventional energy resources ?

(b) What is desertification ?

(c) What is Agenda 2030 of United Nations ?

(d) Which organisation is responsible for assessment of forest cover in India using satellite data on a two-year cycle ?

Contd.

- (e) For self sustained society what are five Fs of Chipko Movement?
- (f) Write the full form of IUCN.
- (g) What is Cartagena Protocol?

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

- (a) What is biomass energy?
- (b) Remote sensing technology.
- (c) What is ecological foot print?
- (d) What is participatory resource appraisal?

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

- (a) What is carbon foot print? How reducing carbon footprint will help in combating climate change?
- (b) Write about the genesis of CBD and its significance.
- (c) What is land use and land cover change? How it influences the biodiversity?

- (d) Discuss the different methods of soil conservation practices.
- (e) Discuss various measures to curb the Man-Animal conflict in Assam.

4. Answer the following questions :

10×3=30

- (a) What are the main impacts of development on environment? Discuss the basic measures taken for the environmental management.

5+5=10

Or

‘Sustainable utilization of resources is key to achieve the ecological, economic and socio-cultural sustainability.’
—Discuss. 10

- (b) What is bioprospecting? How IPR helps to safeguard the bioprospecting of indigenous knowledge of the people of India. 3+7=10

Or

Discuss the various values of biodiversity. 10

(c) Discuss the advantages and disadvantages of large dams in the context of North East region. 10

Or

What is EIA ? Discuss the significance of EIA in assessing the effects of a project or development proposal.

3+7=10