

Total No. of Printed Pages—3

**6 SEM TDC DSE BOT (CBCS) 2 (H)**

**2 0 2 2**

( June/July )

**BOTANY**

( Discipline Specific Elective )

( For Honours )

Paper : DSE-2

**( Natural Resource Management )**

Full Marks : 53

Pass Marks : 21

Time : 3 hours

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

1. (a) Choose the correct answer of the following : 1×3=3

(i) Silent Valley is situated in

(1) Assam

(2) Kerala

(3) Africa

(4) South America

( 2 )

(ii) Which of the following is non-renewable source of energy?

- (1) Fossil fuel
- (2) Water
- (3) Solar energy
- (4) Forest

(iii) Sheet erosion is caused by

- (1) fast running rivers
- (2) wind
- (3) heavy rains
- (4) glaciers

(b) Fill in the blanks :

1×2=2

(i) The National Forest Policy was introduced in the year \_\_\_\_.

(ii) The Chipko Movement was started by \_\_\_\_.

2. Write short notes on the following : 3×4=12

(a) Sustainable development

(b) Non-renewable energy

(c) Biodiversity hotspot

(d) Objectives of IUCN

( 3 )

3. Write explanatory notes on any *two* of the following : 6×2=12

(a) Present status and causes of deforestation in India

(b) National biodiversity action plan

(c) Carbon footprint

(d) In-situ and ex-situ conservation

4. Define the term 'wetlands'. What are the four major types of wetland? Describe briefly about the importance and management strategies of wetlands. 1+2+4+5=12

Or

What do you mean by biodegradable and non-biodegradable wastes? Describe briefly the impacts of waste accumulation on the environment and write the different steps of its management. 2+5+5=12

5. Define wasteland or problem soil. Discuss various causes of soil degradation and its impact on the environment. 2+4+6=12

Or

What do you mean by conservation? What are their aims? Write about the national and international efforts in natural resource management and their conservation. 1+2+9=12

★★★