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NEPWT—97—2024

FACULTY OF SCIENCE

M.Sc. (First Year) (Second Semester) EXAMINATION

NOVEMBER/DECEMBER, 2024

BOTANY

SBOTC-1452

(Plant Resource Utilization and Biodiversity Conservation)

(Friday, 13-12-2024)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—80

N.B. :— (1) Question No. 1 is compulsory.

(2) Of the remaining, attempt any *three* questions.

(3) Draw neat and well labelled diagrams wherever necessary.

1. Write brief notes on the following : 20

(a) Plants as source of renewable energy

(b) Ecosystem diversity

(c) Project tiger

(d) Chipko movement.

2. (a) Explain role of biotechnology in agriculture. 10

(b) Describe origin, method of cultivation, harvesting and economic importance of any *one* timber yielding plant. 10

P.T.O.

3. (a) What is IUCN ? Describe its categories. 10
- (b) Explain in detail the concept of Convention on Biological Diversity (CBD). 10
4. (a) What is conservation ? Explain the conservation strategies. 10
- (b) Describe in detail the current practices in species diversity conservation. 10
5. (a) Describe in detail the role of BSI in sustainable development. 10
- (b) Describe in detail the role of Educational Institutes in Biodiversity conservation. 10
6. Write short notes on the following : 20
- (a) Greenhouse Technology
- (b) Bioprospecting
- (c) Home garden conservation
- (d) ICAR.