

This question paper contains 2 printed pages]

NEPRT—121—2024

FACULTY OF SCIENCE

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

APRIL/MAY, 2024

BOTANY

(Plant Resource Utilization and Biodiversity Conservation)

(Saturday, 20-04-2024)

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

Time—Three Hours

Maximum Marks—80

Note :— (i) Question No. 1 is compulsory.

(ii) Of the remaining attempt any *three* questions.

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

1. Write brief notes on the following : 20
 - (a) Medicinal plants
 - (b) Species diversity
 - (c) National parks
 - (d) Sacred groves.
2. (a) Describe in detail the Vavilov's centres of origin. 10
 - (b) Explain origin, method of cultivation, harvesting and economic importance of any *one* edible oil crop. 10

P.T.O.

3. (a) Describe in detail concept of biodiversity. 10
- (b) Explain in detail Endemism concept and types. 10
4. (a) Explain in detail benefits and adverse consequences of green revolution. 10
- (b) Explain in detail the concept of biosphere reserves. 10
5. (a) Describe in detail the role of botanical garden in plant conservation. 10
- (b) Describe in detail the principles and practices of Ex-situ conservation. 10
6. Write short notes on : 20
- (a) Domestication of plants
- (b) Red data book
- (c) Sanctuaries
- (d) Pollen banks.