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WT—230—2024

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2024

(CBCS/New Pattern)

BOTANY

Paper VIII

(Plant Resource Utilization & Biodiversity Conservation)

(Monday, 16-12-2024)

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

Time—3 Hours

Maximum Marks—75

N.B. :- (i) Attempt *all* questions.

(ii) *All* questions carry equal marks.

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

1. Describe in detail origin, cultivation, harvesting and economic importances of plant as a source of edible oil. 15

Or

Give a detailed account on Vavilov's centre of origin. 15

P.T.O.

2. What is Biodiversity Hotspot ? Give a detailed account on Biodiversity hotspot of India. 15

Or

Describe in detail role of biodiversity on Agriculture. 15

3. What is Green Revolution ? Describe in detail with its benefits and adverse consequences. 15

Or

Describe in detail In-situ strategy of biodiversity conservation. 15

4. Describe in detail role of department of biotechnology in sustainable development. 15

Or

Describe in detail Ex-situ conservation of Biodiversity. 15

5. Write short notes on (any *three*) : 15

(i) Plants as source of fibre

(ii) Endemism

(iii) Principles of conservation

(iv) Chipko movement.