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NEPWT—137—2024

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2024

(NEP-2020)

BOTANY

Paper—SBOTC-503

(Pharmacognosy and Phytochemistry)

(Saturday, 14-12-2024)

Time : 2.00 p.m. to 5.00 p.m.

Time—3 Hours

Maximum Marks—60

N.B. :— (i) Question No. 1 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 : 15
 - (a) Evaluation of crude drugs. 4
 - (b) Medicinal plant conservation. 4
 - (c) Volatile oils. 4
 - (d) Properties flavonoids. 3

P.T.O.

2. Describe in detail the following : 15
- (a) Morphological classification of crude drugs. 8
 - (b) Drug evaluation. 7
3. Describe in detail the following : 15
- (a) Factors influencing cultivation of medicinal plants. 8
 - (b) Cytokinins and their application. 7
4. Describe in detail the following : 15
- (a) Role of pharmacognosy in Ayurveda. 8
 - (b) Alkaloids. 7
5. Describe in detail the following : 15
- (a) Proteolytic enzymes. 8
 - (b) Chaulmoogra oil and Wool Fat. 7
6. Write brief notes on the following : 15
- (a) History of pharmacognosy 4
 - (b) Mutation with reference to medicinal plants 4
 - (c) Chinese systems of medicine 4
 - (d) Source and preservation of Agar. 3