



B.Sc./3rd Sem/BOT/25(NEP)

2025

3rd Semester Examination (CCFUP : NEP)

BOTANY

Paper : MJ 4-T (Single Core Major)

(Economic Botany and Pharmacognosy)

Full Marks : 40

Time : Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

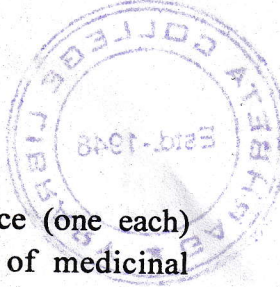
Group - A

Answer any *five* questions : 2×5=10

1. Mention the name of pharmacologically active principle found in turmeric. Write its significance.
2. Write the scientific names of plant taxa on which the active principles of reserpine and vinblastin are found.
3. Compare between organised drugs and unorganised drugs.
4. Which are the probable primary centres of origin of sugar-cane and paddy?

P.T.O.

(2)

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5. Point out one similarity and difference (one each) between any two traditional school of medicinal sciences.
 6. Name two host trees (scientific names) from which lac can be harvested.
 7. What are flavonoids?
 8. Define genetic diversity.

Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Write a brief account of the major centres of origin of crops. Give examples of crops originating from such centres, demarcating primary and secondary centres based on Vavilov's work. 2+3
10. Explain the different steps of cultivation of rice and cashew nut.
11. Classify drugs with suitable examples.
12. Discuss the economic importance of secondary metabolites used in food and cosmetic industries.
13. What are schedule drugs? What are the various methods of crude drug evaluation? 2+3
14. Which plants are the sources of a daily beverage and spice. Write their respective scientific names, parts used and economic importance. 2+3

(3)

Group - C

Answer any *one* question : $10 \times 1 = 10$

15. Discuss the physical properties and functions of phenotics. Discuss the principle of Siddha system of medicine. $2+2+6$

16. Mention the nature, sources plant parts used and the uses of the following pharmacologically active constituents—

(i) diosgenin

(ii) catechin

(iii) gingerol

(iv) capsaicin

(v) atropine

$2+2+2+2+2$
