



B.Sc. V Semester Degree Examination, Sept./Oct. - 2024

BOTANY

DSC 5 : Plant Morphology and Taxonomy

(NEP)

Time : 2 Hours

Maximum Marks : 60

I. Answer all the following questions. 10x1=10

1. (a) What is stolon ? Give an example.
- (b) What is imbricate aestivation ?
- (c) Define Taxonomy.
- (d) What is false fruit ?
- (e) What is fusiform root ? Give an example.
- (f) What is tetradynamous ? Give an example.
- (g) What is spadix ?
- (h) What are bracts ?
- (i) Write botanical name of chick pea.
- (j) What is tubers ? Give an example.

II. Answer any four of the following : 4x5=20

2. What is placentation ? Explain the different types with suitable example.
3. Distinguish between capparidaceae and myretaceae families.
4. What is phyllotaxy ? Explain the different types with suitable examples.
5. Write the floral diagram and floral formula of family caesalpinaceae.
6. Mention economic importance and write botanical names of any five oil yielding plants.
7. Explain evolution of angiosperms.



III. Answer **any three** of the following :

3x10=30

8. Explain in detailed about principle and rule of ICBN.
9. Explain types, structure and variation of flower (Inflorescence).
10. Explain the AGP-IV system (2016) of classification.
11. Explain in detailed about molecular taxonomy in respect to DNA sequence or chloroplast genes.
12. Explain about plant identification using dichotomous key.

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