



**B.Sc. V Semester Degree Examination, April/May - 2024**

**BOTANY**

**Plant Morphology and Taxonomy**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

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- Note :** (i) Write **all** the questions.  
(ii) Draw diagram wherever necessary.
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**SECTION - A**

1. (a) What is Stipule ? 10x1=10  
(b) What type of modification found in Zinger ?  
(c) What is Rappus ?  
(d) What is Drupe ?  
(e) What is Monographe ?  
(f) Expand term ICBN.  
(g) What is natural system of classification ?  
(h) What is the new name of Leguminaceae ?  
(i) What is apomorphy ?  
(j) Define a Cladogram.

**SECTION - B**

Answer **any four** of the following questions.

**4x5=20**

2. Define a stem explain aerial modification of stem with examples.
3. Write a short note on :  
(a) Phylloclade  
(b) Verticillaster
4. Give salient feature of family Malvaceae.
5. Write a merit and demerit of Benthem and Hooker classification.
6. Give the general floral diagram and floral formula of Brassicaceae.
7. Explain the origin of angiosperm briefly.



**P.T.O.**

**SECTION - C**

Answer **any three** of the following questions.

**3x10=30**

8. What is Herbarium ? Explain preparation of Herbarium technique.
9. What is Aestivation ? Write the different types of Aestivation.
10. Write the salient feature of family Labiatae and mention any four plants, write the Botanical name and Economic Importance.
11. What is taxonomy ? Write the objective and scope of taxonomy.
12. Write the Botanical name and Economic Importance of the following :
  - (a) Ground nut
  - (b) Sunflower
  - (c) Rice
  - (d) Cotton

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