

B.Sc. DEGREE EXAMINATION, November 2021
BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
THIRD SEMESTER

COURSE : MAJOR - CORE
PAPER : Taxonomy of Angiosperms and Economic Botany
TIME : 3 HOURS **MAXIMUM MARKS :100**

SECTION – A (18 Marks)

Answer all the questions

I. Fill in the blanks (9 x 1 = 9 marks)

1. Stamens adnate to petals are referred to as _____.
2. In case of holotype is lost, second herbarium sheet prepared from the original plant is called _____.
3. Tendril climber is a characteristic feature of _____ family.
4. Cremocarp is a type of _____ fruit.
5. The lowest of classification that shows the high level of similarities among the organisms is _____.
6. The results of numerical taxonomy are generally represented in the form of _____.
7. Tubular corolla with a single strap shaped limb is called _____.
8. In _____ pollens are fused together as a single mass.
9. Vine that is perennial and woody is called _____.

II. Explain any three terms in 50 words each. (3x3=9 marks)

10. Flower sex and plant sex.
11. Binomial nomenclature and author citation.
12. Intended and bracketed keys.
13. Economic importance of *Withania somnifera*.

SECTION - B (2x 6 = 12 marks)

Answer any two questions. Each answer should not exceed 200 words. Draw neat labelled diagrams wherever necessary.

14. Explain the different types of inflorescence with diagrams.
15. Mention the floral characters and economic importance of cucurbitaceae.
16. Write a note on fumitories and masticatories.

SECTION - C (1x 20 = 20 marks)

Answer any one question. Each answer should not exceed 1000 words. Draw neat labelled diagrams wherever necessary.

17. Compare the characters and economic importance of Orchidaceae and Poaceae.
18. Describe in detail the preparation of herbarium and write about important herbaria.