

B. Sc. DEGREE EXAMINATION, NOVEMBER 2019  
BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY  
THIRD SEMESTER

COURSE : MAJOR – CORE  
PAPER : TAXONOMY OF ANGIOSPERMS AND ECONOMIC BOTANY  
TIME : 3 HOURS MAX. MARKS: 100

SECTION – A

I. ANSWER ALL QUESTIONS (18x1=18)  
CHOOSE THE CORRECT ANSWER

1. Natural system of classification was given by  
a. Bentham and Hooker      b. Linnaeus      c. Engler and Prantl
2. Underground stem is called  
a. root      b. rhizome      c. rhizoid
3. Trimerous flowers are common in  
a. dicot plants      b. monocot plants      c. cryptogams
4. The binomial name consists of  
a. two words      b. three words      c. more than two
5. The botanical Kew Botanical Garden is situated at  
a. London      b. Kolkotta      c. Ooty
6. The collection of dried plants are called  
a. herbarium      b. specimen      c. museum

FILL IN THE BLANKS

7. Aggregate fruit is common in -----family.
8. Papilionaceous corolla are present in ----- family.
9. -----type of anthers are common in cucurbitaceae family.
10. Bilipped corolla is seen in family -----.

WRITE EITHER TRUE OR FALSE

11. The majority of Euphorbiaceae members have cyathium inflorescences.
12. The bracts lemma and palea are present in orchid flowers.
13. Cotton is the kind of fibre yielding plant.
14. Tannins are obtained from *Acacia catechu*.

MATCH THE FOLLOWING

15. Turmeric - Rubiaceae
16. Asafoetida - Umbelliferae
17. Apiaceae - Curcuma longa
18. Ixora - Root

**II. Answer any six in 50 words. Each answer should not exceed 50 words. (6x3=18)**

19. Phyllotaxy
20. Bisexual flowers
21. Author citation
22. BSI
23. Polypetalae
24. Hesperidium
25. Monochlamydeae
26. Importance of Orchids
27. Names of gum and resin yielding plants

**SECTION – B**

**ANSWER ANY FOUR QUESTIONS IN 200 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY:**

**(4x6=24)**

28. Write the merits and demerits of the natural system of classification.
29. Explain the importance of herbarium.
30. Mention the floral characters of Fabaceae.
31. Discuss the taxonomical characters of Apocyanaceae
32. List the edible plants in a Amaranthaceae.
33. Write a note on spices and continents.

**SECTION – C**

**ANSWER ANY TWO QUESTIONS IN 1000 WORDS EACH. DRAW DIAGRAMS WHEREVER NECESSARY:**

**(2x20=40)**

34. Write an essay on Bentham and Hooker's system of classification
35. Describe in detail the preparation of herbarium
36. Explain in detail the characters of Cucurbitaceae
37. Give a detailed account on Apiaceae

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