B. Sc DEGREE END SEMESTER EXAMINATION - OCTOBER 2018

SEMESTER – 3: BOTANY (COMPLEMENTARY COURSE FOR B. Sc. ZOOLOGY)

COURSE: 15U3CPBOT3, ANGIOSPERM TAXONOMY AND ECONOMIC BOTANY

(For Regular - 2017 Admission and Supplementary / Improvement 2016 & 2015 Admissions)

Time: Three Hours   Max. Marks: 60

Part A

I. Answer *all* questions; each question carries 1 mark.

1. What are syngenesious anthers?
2. Name the source of 'vincristine'.
3. Cite an example for spadix.
4. Give the binomial of Bengal gram.
5. What is vasculum?
6. Name a family having gynobasic style.
7. What is a staminod?
8. Define floral diagram.   (1 x 8 = 8 marks)

Part B

II.   Answer *any six* questions; each question carries 2 marks.

9. Enumerate the salient features of Euphorbiaceae.
10. Describe the papilionaceous corolla.
11. What is an 'etaerio of berries'?
12. Describe the androecium of Malvaceae.
13. What are pulses? Give binomial of any two pulses.
14. Describe the structure of spikelet.
15. What is chemotaxonomy?
16. Describe the structure of hypanthodium.
17. What is a biopesticide? Give an example.
18. Explain monochasial cyme.   (2 x 6 = 12 marks)

Part C

III. Answer *any four* questions; each question carries 4 marks.

19. Describe the floral characters of Annonaceae?
20. What is a herbarium? Mention its significance in taxonomy.
21. Describe the different types of placentation.
22. Compare the androecium of the subfamilies of Leguminosae.
23. Give a brief account on ICBN.
24. Write the binomial, family, morphology of useful parts and uses of two spices.   (4 x 4 = 16 marks)

Part D

IV. Answer ***any two*** questions; each question carries 12 marks.

25. Describe the different types of fruit in Angiosperms citing examples.

OR

26. Briefly discuss the diagnostic characters of Asteraceae. Why it is held to be an advanced family among Dicotyledons?

27. Describe Bentham and Hooker's system of Classification with its merits and demerits.

OR

28. Give the binomial, family, morphology of the useful part and uses of any four medicinal plants.

(12 x 2 = 24 marks)

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