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V Semester B.Sc. Degree Examination, April/May - 2021

BOTANY

10389

5.1 - Morphology, Taxonomy and Economic - Botany
(CBCS)

Time : 3 Hours

Maximum Marks : 70

Instructions : (i) Answer all the questions.
(ii) Draw the diagrams wherever necessary.

I. Answer all the questions.

15x1=15

1. What is Corollary Corona ?
2. What is Phyllogenetic system of classification ?
3. Who proposed Binomial Nomenclature ?
4. Name the family having syngenesious stamen.
5. Write the Botanical name of clove.
6. What type of stem is found in ginger ?
7. What are Pneumatophores ?
8. What is Offset ? Give an example.
9. What is Placentation ?
10. What is Systematic Botany ?
11. Define a Seed.
12. What is Simple leaf ?
13. What is Lomentum ?
14. What are Carpophore ?
15. What is false fruit ?

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II. Answer any five of the following.

5x5=25

16. Write the salient features of the family Astraceae.
17. Distinguish between Apocyanaceae and Solonaceae.
18. Assign the following plants to their respective families, write a Botanical name and uses :
 - (a) Castor
 - (b) Sunflower
 - (c) Vinca rosea
19. Describe the structure of Hypanthodium Inflorescence with neat sketch.
20. What is Aestivation ? Explain different types of Aestivation.
21. Explain Epigynous and Hypogynous flowers.
22. Describe the structure of bladder in bladderwort.

III. Answer any three of the following.

3x10=30

23. Define a stem, explain different types of aerial modification of stem.
24. What is leaf ? Explain different types of compound leaves.
25. Write the distinguished characters of the family malvaceae. Give an Economic Importance of any three plants and mention their Botanical names.
26. Assign the following plants to their respective families, write their Botanical names and uses : <https://www.vskub.com>
 - (a) Mustard
 - (b) Sugar cane
 - (c) Lemon
 - (d) Cotton
 - (e) Ground nut
27. What is Herbarium ? Explain the process of Herbarium technique.

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