



Reg. No. :

Name :

Sixth Semester B.Sc. Degree Examination, April 2019
(Career Related First Degree Programme under CBCSS)
Group 2 (a) Botany and Biotechnology
Core Course – XI
BB 1641 – Angiosperm Morphology and Systematic Botany
(2013 & 2014 Admissions)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** the questions in **a word or one or two sentences**. Each question carries **one** mark. **(10×1=10 Marks)**

1. Describe superficial placentation.
2. What is catkin inflorescence ?
3. What is Cypsela ?
4. Comment on cytotaxonomy.
5. What is zygomorphic flower ?
6. What is phyllotaxy ?
7. What is bulbil ? Give example.
8. Who coined the term binomial nomenclature ?
9. What is obdiplostemonous condition ?
10. Give systematic position of the family Rutaceae.

SECTION – B

Answer **any 8** questions. Each question carries **2** marks. (Answer **not** to exceed **one** paragraph). **(8×2=16 Marks)**

11. What is the difference between aggregate and multiple fruits ?

P.T.O.



12. What is velamen tissue ? Where do you see them ?
13. Discuss the role of Herbaria in Taxonomic studies.
14. Comment on the basic rules of binomial nomenclature.
15. What is monadelphous condition ?
16. Give the differences between aggregate fruit and multiple fruit.
17. Draw labeled diagram for interpetiolar and intrapetiolar stipules.
18. Comment on drupe. Give two examples.
19. Give note on chemotaxonomy.
20. Describe vexillary aestivation. Give example.
21. With a labelled diagram describe superficial placentation.
22. Give two examples of economically important plants of Solanaceae and its use.

SECTION – C

Answer **any 6** questions. **Each** question carries **4** marks. (Answer **not** to exceed **120** words).
(6×4=24 Marks)

23. Write note on creepers and lianas.
24. What is venation ? Describe reticulate venation.
25. Give an account on numerical taxonomy.
26. Explain hypogyny, epigyny and perigyny in flower.
27. Explain adhesion of stamens.
28. Explain any three types of schizocarpic fruits with suitable example.
29. What is the procedure of preparing a herbarium ?
30. Give the economic importance of Rubiaceae.
31. Give systematic position and distinguishing features of Euphorbiaceae.



SECTION – D

Answer **any 2** questions. **Each** question carries **15** marks. (Answer **not** to exceed **three** pages). (2×15=30 Marks)

32. Write an essay on Engler and Prantle system of classification with its merits and demerits.
 33. Give a detailed account on artificial system of classification. Give its merits and demerits.
 34. Explain how the fruits are classified giving examples and necessary diagrams for each.
 35. Give a detailed account of class monocotyledonae down to family level. Give names of two plants from each family, you have studied.
-