

16P329

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Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, OCTOBER 2017

(Regular/Supplementary/Improvement)

(CUCSS - PG)

CC15P BO3 C10 - ANGIOSPERM MORPHOLOGY, TAXONOMY AND PLANT RESOURCES

(Botany)

(2015 Admission Onwards)

Time: Three Hours

Maximum: 36 Weightage

I. Answer *all* questions very briefly:

1. Classical Concept of flower and floral organs.
2. BSI
3. Chemotaxonomy
4. Write a note on Artificial system of classification?
5. Define lectotype?
6. Comment on important medicinal plants?
7. Binomial of chick pea
8. Elucidate the conservation of plant biodiversity?
9. What is parallelism?
10. Effective publication
11. Name any two fiber yielding plants?
12. Discuss salient features of convolvulaceae
13. Explain the concepts of genus and family?
14. Ranaian concepts of primitive flower.

(14 x 1 = 14 Weightage)

II Answer *any seven* questions not more than **100** words.

15. Evaluate the role of botanical gardens in plant taxonomy.
16. Write a brief account of ICBN
17. Write a brief note on utility of herbarium and its maintenance?
18. Differentiate between holotype and lectotype
19. Discuss the nature and evolution of placentation type.
20. Describe Parallelism and convergence.
21. Enumerate the contribution of Takhtajan.
22. Explain briefly benefits of Green revolution.
23. Write an account of advanced character of an angiosperm flower.
24. List out principles of Numerical Taxonomy.

(7 x 2 = 14 Weightage)

III

Answer *any two* questions in **300** words each :

25. Compare Engler and Prantl's system of classification with that of Bentham and Hooker's system.
26. Write a note on spices and condiments of Kerala.
27. Explain the role of floral anatomy in interpreting the origin and evolution of floral parts.
28. Explain chemotaxonomy and its role in plant classification

(2 x 4 = 8 Weightage)
