

COURSE CODE - 6030302

M.PHIL DEGREE EXAMINATION - JAN 2009

M.PHIL (BOTANY)

TAXONOMY

(For Candidate admitted from calendar 2007 On wards)

Time: 3 Hours

Max. Marks: 100

Section - A

Answer ALL the Questions:

10 X 3 = 30

1. Define the Microspore Mac?
2. Write a short note on the Cytotaxonomy?
3. Explain the Genera Plantarum?
4. Define the Vacuum?
5. Describe the Types of keys?
6. Write a short note on the Taxonomy?
7. Define the Spikelet?
8. Write a short note on the Gynostegium?
9. Explain the Alkaloid?
10. Define the Resins?

Section – B

Answer any FIVE Questions:

5 X 6 = 30

11. Write an account on Infruct?
12. Define type concept and explain it?
13. Write about the poisoning and mounting of herbarium specimens?
14. Write an account on national herbarium?
15. Write short notes on the constructions of keys?
16. Write about the floral characters of family Geraniaceae?
17. List out the merits and demerits of Engler and Prantl classification?
18. Write short notes on Terpenoids?

Section – C

Answer any TWO Questions:

2 X 20 = 40

19. Write an essay on the principles of classification and add a note on the classification proposed by Cronquist?
20. Write a comparative account on the Apocynaceae and Poaceae?
21. Write an essay on the botanical distribution, active principles, structure and uses of Catharanthus roseus and Aloe Vera?