

**COURSE CODE - 6030301**

**M.PHIL DEGREE EXAMINATION - JAN 2008**

**M.PHIL (BOTANY)**

**GENERAL BOTANY**

**(For Candidate admitted from calendar 2007 Onwards)**

**Time: 3 Hours**

**Max. Marks: 100**

**Section - A**

**Answer ALL the Questions:**

**10 X 3 = 30**

1. Write short notes on the Hap Lon tic life cycle?
2. Define the Necrosis?
3. Write short notes on the Plasmodesmata?
4. Describe the Inter fascicular cambium?
5. Explain the Ruminant endosperm?
6. Define the Embryo ides?
7. Explain the Nitrogenous?
8. Write short notes on the Verbalization?
9. Write short notes on the Type concept?
10. Define the Primary Production?

**Section - B**

**Answer any FIVE Questions:**

**5 X 6 = 30**

11. Write short notes on the imperfect fungi?

12. List on the various symptoms caused by bacterial pathogens, and explain any two kinds of symptoms with example?

13. Write short notes on the smear preparations?

14. Comment on the pollen wall structures?

15. What is transmutation and explain it in detail?

16. Write short note on the physiological effects of Abscises acid?

17. Define biosystematics and explain the features of biosystematics?

18. Write short notes on the nitrogen cycle in the ecosystem?

**Section - C**

**Answer any TWO Questions:**

**2 X 20 = 40**

19. Write an essay on nucleic acids?

20. Write a detailed account on the microsporogenesis and megasporogenesis in angiosperms?

21. Write short notes on

- a) Mushroom cultivation
- b) Photoperiods
- c) Chemotaxonomy
- d) Conservation of biodiversity