

COURSE CODE - 6031001

M.PHIL DEGREE EXAMINATION - JAN 2009

M.PHIL (MICROBIOLOGY)

ADVANCED STUDY IN MICROBIOLOGY

(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 Biopesticides?
2. Write the production of SCP?
3. What are the enzymes involved in rDNA technology?
4. Write the types of microscope?
5. Define chromatography?
6. What is synchronous culture?
7. What are acidophiles and alkalophiles?
8. What are all the eukaryotic microbes?
9. Define tissue culture?
10. What is cloning?

Section - B

Answer any FIVE Questions:

5 X 6 = 30

11. Write short note on vectors?
12. Explain about genomic library?
13. Write the clarification of algae and fungi?
14. Write short note on compound microscope?
15. Write note on paper chromatography?
16. Write note on medically important microbes?
17. Explain the types of antibiotics?
18. Write note on electrophoresis?

Section - C

Answer any TWO Questions:

2 X 20 = 40

19. Explain in detail about types of chromatography?
20. Briefly explain monoclonal antibody production?
21. Explain in detail about Biofertilizer?