

NOVEMBER 2024

57159/416C2A

Time : Three hours

Maximum : 75 marks

PART A — ($10 \times 1 = 10$ marks)

Answer any TEN questions, each in 50 words

1. Gnotobiotic.
2. Guinea pigs.
3. Meningococcus.
4. Botulism.
5. Murine typhus.
6. Zoonotic infections.
7. Dermatophytes.
8. Any two antifungal agents.
9. *Nannizzia gypsea*.
10. Mycotoxicosis.
11. Opportunistic fungi.
12. Eumycetoma.

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions, each in 200 words

13. Write a short note on the maintenance of laboratory mice.
14. Write briefly about the drugs for pelvic inflammatory disease.
15. Write briefly about the morphology of *Mycoplasma pneumoniae*.
16. Write a short note on Superficial mycoses.
17. Explain briefly about the laboratory diagnosis of Eumycotic mycetoma.
18. Explain briefly about the pathogenesis of Tuberculosis.
19. Write briefly about the laboratory diagnosis at *Clostridium perfringens* infection.

PART C — ($4 \times 10 = 40$ marks)

Answer any FOUR questions, each in 500 words

20. Write in detail about the different biological sample collection methods for microbiological testing.
21. Elaborate on the epidemiology and pathogenesis of *Streptococcus pyogenes*.
22. Explain in detail about the classification of nosocomial infection.

23. Discuss in detail about antifungal agents.
 24. Write in detail about the opportunistic mycotic infection.
 25. Describe the maintenance and handling procedure of laboratory mice.
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