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Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MAY 2024

Fourth Semester

Complementary Course—Microbiology

MEDICAL MICROBIOLOGY

(For B.Sc. Biotechnology)

[2013—2016 Admissions]

Time : Three Hours

Maximum Marks : 60

Part A (Short Answer Questions)

*Answer all questions.
Each question carries 1 mark.*

1. Define enterotoxin.
2. What is SCID ?
3. Name a pathogenic streptococcus strain.
4. Define tubercle.
5. What are FMD virus ?
6. Define Negri bodies ?
7. What is meant by vertical transmission ?
8. Define iatrogenic infection.

(8 × 1 = 8)

Part B (Brief Answer Questions)

*Answer any six questions.
Each question carries 2 marks.*

9. How do bacteria acquire MDR ?
10. What are conidiasis ?
11. Why is interferon used in cancer therapy ?
12. What are the characteristics of Gonorrhoea ?
13. Differentiate exotoxins from endotoxins.
14. What is mycotic poisoning ?

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15. How does a retrovirus produce new viral DNA in host cell ?
16. Differentiate Hepatitis Virus A with Hepatitis Virus B.
17. Why is it not practical to vaccinate common cold ?
18. Name two nosocomial infections.

(6 × 2 = 12)

Part C (Short Essays)

*Answer any **four** questions.
Each question carries 4 marks.*

19. Discuss about various sources of infections.
20. Discuss about conidiasis and mycetoma.
21. Comment on host responses to viral infections.
22. Explain the pathogenesis induced by salmonella.
23. Explain the life cycle and pathogenesis induced by mycobacterium.
24. What are vaccines ? Explain types of vaccines.

(4 × 4 = 16)

Part D (Long Essay)

*Answer any **two** questions.
Each question carries 12 marks.*

25. Give the factors determine pathogenicity of microbes.
26. Explain the pathogenic potential of Escherichia, pseudomonas and vibrio.
27. Discuss about various fungal diseases in humans.
28. Write an essay on viral diseases caused by pox and Rhabdo virus.

(2 × 12 = 24)

