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Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, NOVEMBER 2022

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. What are nosocomial infections ?
2. Name the causative organism of diphtheria.
3. What is EBV ?
4. Name the enzyme associated with retroviral genome.
5. Define secondary infection.
6. Name a pathogenic bacillus strain.
7. Define Zoonoses.
8. How is typhoid fever transmitted ?

(8 × 1 = 8)

Part B (Brief Answer Questions)

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

9. Write about the action of cholera toxin in intestine.
10. What is pulmonary anthrax ?
11. What is the mechanism of MDR ?

Turn over

12. Write a note on polio vaccines.

13. Name any two picornavirus and the diseases caused by them.

14. Differentiate viroids from prions.

15. Why a live vaccine required for small pox immunisation ?

16. Why is interferon used in cancer therapy ?

17. Give the features of shigellosis.

18. What is the difference between + type and – type nucleocapsid.

(6 × 2 = 12)

Part C (Short Essays)

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

19. A chronic infection represents a higher level of host-microbe relationship than acute infection-discuss.

20. Give the pathogenesis induced by Neisseria.

21. Write notes on herpes virus infection.

22. What are the types of infectious diseases ?

23. Discuss about conidiasis and mycetoma.

24. Write a detailed account on DNA virus.

(4 × 4 = 16)

Part D (Long Essays)

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

25. Write an essay on the sources and methods of transmission of infections.

26. Explain the pathogenicity induced by staphylococcus, pseudomonas and mycobacterium.

27. Explain the structure, life cycle and infection strategy of HIV.

28. Write an essay on the types of systemic mycoses.

(2 × 12 = 24)