

D 30192

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Name.....

Reg. No.....

**FIFTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Microbiology

MBG 5B 09—MEDICAL MICROBIOLOGY—I

(2018 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A*Answer all questions in a word or sentence.**Each question carries ½ mark.*

1. Process of increasing virulence of a pathogen is called _____.
2. ASO test is used for diagnosis of infections caused by _____.
3. Name a bacterium that often cause 'Blue pus' infection.
4. Name a bacterial zoonotic disease.
5. Traveller's diarrhoea is caused by _____.
6. *Leptospira* is often observed through _____ microscopy.
7. Gray pseudomembrane in throat is a symptom of _____.
8. Vaccine taken to prevent tetanus is _____.
9. Toxic shock syndrome toxin is produced by _____.
10. Mantoux test is used to screen for _____.
11. Name a transport media
12. Time between exposure to a pathogen and appearance of symptoms is called _____.

(12 × ½ = 6 marks)

Part B (Short Answer Questions)*Answer all questions.**Each question carries 2 marks.*

13. What is Anthrax ?
14. Differentiate between infection and disease.

Turn over

15. Define ID₅₀.
16. What is a Pandemic ?
17. What do you mean by nosocomial infection ?
18. Differentiate between virulence and pathogenicity.
19. Brief on the culture and morphology of *S.pneumoniae*.
20. Explain the cultural and biochemical characteristics of *Escherichia coli*.
21. Differentiate healthy carrier and convalescent carrier.
22. What is Bacteremia ?

(10 × 2 = 20 marks)

Part C (Short Essay Questions)

Answer any **six** questions.

Each question carries 5 marks.

23. What are the different stages of Syphilis ? Explain.
24. Comment on the various methods of transmission of infection.
25. Explain the pathogenesis, symptoms and lab diagnosis of cholera.
26. What are the various sources of Infection ? Explain.
27. Write a note on blood culture.
28. Write in detail about the pathogenicity and symptoms of typhoid.
29. What are the serological tests used for the diagnosis of syphilis ? Explain.
30. Explain the pathogenesis of *Mycobacterium tuberculosis*.

(6 × 5 = 30 marks)

Part D (Essay Questions)

Answer any **two** questions.

Each question carries 12 marks.

31. Explain in detail about the normal flora of human body. Give its advantages and disadvantages.
32. Write an essay on morphology, cultural characteristics, biochemical characters, pathogenicity, laboratory diagnosis and prevention of tetanus.
33. Describe the morphological, cultural and biochemical characteristics of *Staphylococcus aureus*. Add note on pathogenicity and laboratory diagnosis of diseases caused by *Staphylococcus aureus*.

(2 × 12 = 24 marks)