

D 11232

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Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2016

(CUCBCSS—UG)

Microbiology

MBY 5B 12—MEDICAL MICROBIOLOGY—I

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

1. Name physician induced infection.
2. Animal endemics are called _____
3. Name the route of infection of cholera.
4. Expand MID.
5. LGV is a _____transmitted chlamydial infection.
6. Name the differential staining used for *M.tuberculosis*.
7. Which bacterium causes primary atypical pneumonia ?
8. Name the type of hemolysis which results in a greenish colour around the colony on blood agar.
9. Which is the toxin producing staphylococcal food poisoning ?
10. Quellung reaction shows swelling of pneumococcal _____when antiserum is used.
11. The presence of bacterial toxin in blood is called _____
12. Worldwide epidemic is referred as _____

(12 x ½ = 6 marks)

• Part B

Answer all questions.

Comment on the following.

13. Convalescent carrier.
14. Stuart's media.
15. Rat flea.
16. RPR test.
17. List four species of *Shigella*.
18. Catalase test.

Turn over

19. Transport media for *V.cholerae*.
20. Morphology of *Neisseria gonorrhoeae*.
21. Congenital infections.
22. Toxic shock syndrome.

(10 x 2 = 20 marks)

Part C

Answer any six questions.

Write briefly on.

23. Pathogenesis of botulism.
24. **Control** of typhoid.
25. Identification of *S.aureus*.
26. Differentiate **exotoxins** from **endotoxins**.
27. Biochemical reactions of *E.coli*.
28. Urine sample collection for culture.
29. Lab diagnosis of secondary syphilis.
30. Normal flora of human body.

(6 x 5 = 30 marks)

Part D

Answer any two questions.

31. Describe the pathogenesis, prophylaxis and laboratory diagnosis of tuberculosis.
32. Discuss one Gram positive bacillary and one spirochete **zoonotic** disease you have studied.
33. Describe the sources and methods of transmission of infections with examples.

(2 x 12 = 24 marks)