

**C 30374**

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Name.....

Reg. No.....

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2017**

(CUCBCSS—UG)

Microbiology

MBY 5B 12—MEDICAL MICROBIOLOGY—I

Time : Three Hours

Maximum : 80 Marks

**Part A**

*Answer all questions.*

1. Name the infection which results in malformations of foetus.
2. Epizootics are epidemics occurring in \_\_\_\_\_.
3. Name the route of infection of pulmonary TB.
4. Expand TSS.
5. The characteristic lesion in venereal primary syphilis is known as \_\_\_\_\_.
6. Name the test which differentiates *R.prowasecki* and *R.typhi*.
7. Which bacterium causes Weil's disease ?
8. Name the type of hemolysis which results in a clear halo around the colony on blood agar.
9. Which toxin produced by *C.tetani* is involved in the pathogenesis of tetanus ?
10. Name the reaction which shows swelling of pneumococcal capsule when antiserum is used.
11. The presence of bacteria in blood is called \_\_\_\_\_.
12. Write the bacterial species causing plague.

(12 × ½ = 6 marks)

**Part B**

*Answer all questions.*

Comment on the following :

13. MID and MLD.
14. BCG.
15. Cholera red test.
16. Elek's test.

**Turn over**

17. TPHA.
18. Oxidase test.
19. Transport media.
20. Morphology of anthrax bacilli.
21. Latent infection.
22. PID.

(10 × 2 = 20 marks)

### Part C

Answer any **six** questions.

Write briefly on :

23. Pathogenesis of tetanus.
24. Diphtheria.
25. Identification of *Mycoplasma pneumoniae*.
26. Vaccines.
27. Biochemical reactions of *S. dysenteriae*.
28. Sputum processing for TB diagnosis.
29. Lab diagnosis of leptospirosis.
30. Normal flora of human body.

(6 × 5 = 30 marks)

### Part D

Answer any **two** questions.

31. Describe the factors influencing virulence of pathogens.
32. Discuss chlamydial diseases in detail.
33. Describe pathogenesis and laboratory diagnosis of typhoid.

(2 × 12 = 24 marks)