FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS–UG)

Microbiology

MBY 5B 12—MEDICAL MICROBIOLOGY—I

Time : Three Hours   Maximum : 80 Marks

Part A

Answer all questions.
Each question carries 1 mark.

1. The carrier who never had the disease produced by the pathogen he carries is called ———— carrier.

2. ———— is a measure of infectivity of a pathogen, in which half of the animal population is taken into consideration.

3. Name the transmission method of a pathogen which crosses the placenta and produce infection in the fetus.

4. Which is the gram negative diplococci, in which the adjacent ends of the pair are concave ?

5. An epidemic affecting animals is termed as ————.

6. Name the etiological agent of plague.

7. Give the name of the bacterium causing trachoma.

8. Expand TCBS.

9. Name the characteristic pearl like lesion in TB by which the naming is adopted.

10. Name the food intoxication caused by a clostridial species.

11. Which is the vector of rickettsial pox ?

12. Name the physician induced infection.

(12 × ½ = 6 marks)

Part B

Answer all questions.
Each question carries 2 marks.

Comment on the following :

13. Coagulase test.   14. Midstream urine sample.

15. Wool sorters' disease.   16. Typhoid.

17. Media for cultivation of leptospires.   18. ORS therapy.

19. Trench fever.   20. Tetanus toxoid.

21. Indole test.   22. Adhesion.

(10 × 2 = 20 marks)

Turn over

Part C

Answer any **six** *questions.*
Each question carries 5 marks.

Write briefly on the following :

23. Plasmdis as a virulence factor.

24. Symptoms of Diphtheria.

25. Venipuncture.

26. Nonspecific tests for diagnosis of syphilis.

27. Types of *E.coli.*

28. Chlamydial diseases.

29. Cholera.

30. Leptospirosis in humand.

(6 × 5 = 30 marks)

Part D

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

31. Describe plague and anthrax in detail.

32. Discuss the sources and methods of infection with examples diseases.

33. Explain tuberculosis in detail.

(2 × 12 = 24 marks)