



K17U 1701

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)
Examination, November 2017
(2014 Admn. Onwards)
Core Course in Microbiology
5B08 MCB : BACTERIAL DISEASES

Max. Marks : 40

Time : 3 Hours

Instruction : Draw diagrams wherever necessary.

SECTION – A

Answer all questions. Each question carries 1 mark.

1. The most widely used selective solid medium for isolation of *Mycobacterium tuberculosis* _____.
2. M'Fadyean's reaction in blood films is used for the presumptive diagnosis of _____ disease.
3. The diffusion test to demonstrate toxigenic *Corynebacterium diphtheriae* strains is _____.
4. Q fever is caused by _____.

(4×1=4)

SECTION – B

Answer very briefly on any seven of the following. Each question carries 2 marks.

5. Halberstaedter-Prowazek (H-P) bodies.
6. Toxic shock syndrome.
7. Lepromin test.
8. Cough plate method.

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9. Satellitism.
10. Weil-Felix reaction.
11. Pandemic infection.
12. V-W variation of *Salmonella typhi*.
13. Nagler reaction.
14. PLET medium.

(7×2=14)

SECTION – C

Answer **any four** of the following. **Each** question carries **3** marks.

15. Classification of *Vibrio*.
16. Bacillary dysentery.
17. Typhus fever.
18. Pathogenicity of *Helicobacter pylori*.
19. Laboratory diagnosis of meningococcal meningitis.
20. Pulmonary tuberculosis.

(4×3=12)

SECTION – D

Answer **any two** of the following. **Each** question carries **5** marks.

21. Describe classification of Streptococci. Write note on pathogenicity and laboratory diagnosis of *Streptococcus pyogenes* infections.
22. Describe the pathogenesis and characteristic features of tetanus. Give an account of treatment and prophylaxis of the tetanus.
23. Write a note on diarrhoeagenic strains of *Escherichia coli*. Discuss morphological, cultural and antigenic characteristics of *E. Coli*.
24. Describe the characteristics of syphilis. Add a note laboratory diagnosis and prophylaxis of syphilis.

(2×5=10)