



K18U 1481

Reg. No. : .....

Name : .....

V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)  
Examination, November 2018  
(2014 Admn. Onwards)  
Core Course in Microbiology  
5B 08 MCB : BACTERIAL DISEASES

Time : 3 Hours

Max. Marks : 40

**Instruction :** Draw diagrams wherever necessary.

SECTION – A

Answer **all** questions. **Each** question carries **1** mark.

1. The strain of *E. coli* causing 'traveller's diarrhea' is
2. Semisynthetic media commonly used for the isolation of *Leptospira icterohaemorrhagiae* from clinical specimens is
3. Rapid urease test using gastric biopsy is used to diagnose \_\_\_\_\_
4. *In vitro* toxigenicity test for *Corynebacterium diphtheriae* is (4×1=4)

SECTION – B

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

5. CAMP test.
6. Microscopic differentiation of *N. gonorrhoeae* and *N. meningitidis*.
7. Lepromatous leprosy.
8. Relapsing fever.

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9. Lymphogranuloma venereum.
10. Zoonosis.
11. Coagulase.
12. VDRL test.
13. Lowenstein-Jensen's media.
14. Peptic ulcer.

(7×2=14)

SECTION – C

Write short notes on **any four** of the following. **Each** question carries **3** marks.

15. Laboratory diagnosis of gonorrhoea.
16. Pathogenicity of *Clostridium tetani*.
17. Pathogenesis of cholera.
18. Brucellosis.
19. Classification of leprosy.
20. Typhus fever group Rickettsiae.

(4×3=12)

SECTION – D

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

21. Write a note on pathogenesis, epidemiology and diagnosis of Weil's disease.
22. Describe the clinical features of pulmonary tuberculosis. Write a note on treatment and prophylaxis of tuberculosis.
23. Describe the pathogenicity of *E. coli*. Discuss the characteristics of diarrheagenic *E. coli* strains.
24. Discuss the classification of *Streptococcus*. Write a note on pathogenicity and epidemiology of *Streptococcus pyogenes* infections.

(2×5=10)