



K20U1539

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)
Examination, November 2020
(2014 Admn. Onwards)
CORE COURSE IN MICROBIOLOGY
5B08 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 clinical sample used for diagnosis of purulent bacterial meningitis is _____
2. The organism causing bacillary dysentery is _____
3. The common selective media used for the isolation of *Mycobacterium tuberculosis* from sputum sample is _____
4. Weil's disease is caused by _____

(4×1=4)

SECTION – B

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

5. *Yersinia pestis*
6. DPT vaccine
7. Coagulase test
8. Bile solubility test

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9. EPEC strain
10. 'Stormy fermentation'
11. Mechanism of action of cholera toxin
12. Rapid urease test
13. Petroff's concentration method
14. TRIC agent.

(7×2=14)

SECTION – C

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

15. Laboratory diagnosis of syphilis
16. Ridley-Jopling classification of leprosy
17. Pathogenicity of *Haemophilus influenzae*
18. Enteric fever
19. Clinical features of anthrax
20. Non-suppurative complications of *Streptococcus pyogenes* infection. (4×3=12)

SECTION – D

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

21. Describe etiology, pathogenesis and laboratory diagnosis of gonorrhoea.
 22. Discuss the differences between different types of diphtheria bacilli. Add a note on pathogenicity of *Corynebacterium diphtheriae*.
 23. Write a note on Rickettsiae causing human infections.
 24. Describe the mode of action of toxins produced by *Clostridium tetani*. Add a note on laboratory diagnosis and prophylaxis of tetanus. (2×5=10)
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