



K16U 1721

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – 2014 Admn.-Regular)

Examination, November 2016

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 phenomenon of satellitism is exhibited by _____ on media with *S. aureus* growth.
2. Pertactin is an outer membrane protein antigen present in all virulent strains of _____
3. Lyme disease is caused by _____
4. The enzyme produced by bacteria that cause clotting of blood plasma is _____ (4×1=4)

SECTION – B

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

5. C-reactive protein
6. Morphology of *Clostridium tetani*
7. 'Watercan perineum'
8. Septicaemia
9. TPHA test
10. Bacillary dysentery

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11. EPEC
12. Cholera red reaction
13. *Helicobacter pylori*
14. Bacteriophage typing.

(7×2=14)

SECTION – C

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

15. Gas gangrene
16. TRIC infection
17. Weil's disease
18. Laboratory diagnosis of enteric fever
19. Clinical forms of anthrax
20. Nonsuppurative complications of *Streptococcus pyogenes* infection.

(4×3=12)

SECTION – D

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

21. Write brief descriptions about human diseases caused by Rickettsiae.
22. Discuss the classification of leprosy. Give an account of epidemiology and laboratory diagnosis of leprosy.
23. Discuss the morphological and cultural characteristics of *Haemophilus influenzae*. Write note on invasive and noninvasive diseases caused by the organism.
24. Describe the pathogenicity of *Corynebacterium diphtheriae*. Add a note on laboratory diagnosis and prophylaxis of diphtheria.

(2×5=10)