



K23U 2831

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – Supplementary)
Examination, November 2023
(2017 and 2018 Admissions)
CORE COURSE IN MICROBIOLOGY
5B08MCB : Bacterial Diseases

Time : 3 Hours

Max. Marks : 40

SECTION – A

Each carries 1 mark. Answer all the four questions.

1. Gas gangrene is caused by the bacterium, _____
2. In *Salmonella paratyphi A*, the letter “A” denotes the presence of _____ antigen.
3. Wasserman test is used for the diagnosis of the disease, _____
4. What is the causative agent of Rocky Mountain spotted fever ? (4×1=4)

SECTION – B

Each carries 2 marks. Answer very briefly on any seven questions out of ten.

5. Toxoid.
6. V factor.
7. Nagler reaction.
8. Typhoid Mary.
9. Morphology of *N. meningitidis*.
10. Erythema Nodosum Leprosum.

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11. Lowenstein – Jensen Medium.
12. MRSA.
13. Shiga toxin.
14. Elek's gel precipitation test.

(7×2=14)

SECTION – C

Each carries 3 marks. Answer **any four** questions out of six.

15. Primary tuberculosis.
16. Laboratory diagnosis of meningococcal meningitis.
17. Prophylactic measures of diphtheria.
18. Mechanism of action of cholera toxin.
19. Clinical manifestations of Lyme disease.
20. Bubonic plague.

(4×3=12)

SECTION – D

Each carries 5 marks. Answer **any two** questions out of four.

21. Describe the pathogenicity of *Streptococcus pyogenes*.
22. Discuss the pathogenesis and laboratory diagnosis of typhoid.
23. Describe the pathogenesis and laboratory diagnosis of syphilis.
24. Describe the pathogenicity of different types of diarrheagenic *E. Coli*.

(2×5=10)