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Name.....

Reg. No.....

**FIFTH SEMESTER U.G. DEGREE EXAMINATION, NOVEMBER 2021**

(CBCSS—UG)

Microbiology

MBG 5B 09—MEDICAL MICROBIOLOGY—I

(2019 Admissions)

Time : Two Hours

Maximum : 60 Marks

**Section A**

*Answer at least **eight** questions.*

*Each question carries 3 marks.*

*All questions can be attended.*

*Overall Ceiling 24.*

Write briefly on :

1. Septicemia.
2. Endotoxin.
3. Toxic shock syndrome.
4. Elek test.
5. Hide porter's disease.
6. Nosocomial infection and iatrogenic infection.
7. Rocky mountain spotted disease.
8. Epidemic disease.
9. Coagulase test.
10. PLET medium.
11. Widal reaction.
12. Leptospirosis.

(8 × 3 = 24 marks)

**Turn over**

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**Section B**

*Answer at least five questions.*

*Each question carries 5 marks.*

*All questions can be attended.*

*Overall Ceiling 25.*

Write notes on :

1. List and explain the different sources of infection.
2. Explain the pathogenesis and clinical features of anthrax.
3. Give an account on typhus fever. Add a note on the pathogenesis of rickettsial diseases.
4. Write a note on the virulence factors and pathogenicity of *Streptococcus pneumoniae*.
5. Describe the various factors influencing virulence of pathogens.
6. Discuss the morphological features and cultural characteristics of *Corynebacterium diphtheriae*.
7. Give an account on the normal flora of mouth & gastrointestinal tract and its importance.

(5 × 5 = 25 marks)

**Section C**

*Answer any one question.*

*The question carries 11 marks.*

Write essay on :

1. Explain the pathogenesis and clinical features of cholera. Add a note on prophylactic measures and treatment.
2. Discuss the pathogenesis and symptoms of enteric fever. Add a note on its laboratory diagnosis.

(1 × 11 = 11 = marks)