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Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS-UG) DEGREE EXAMINATION  
NOVEMBER 2022**

Microbiology

MBG 5B 09—MEDICAL MICROBIOLOGY—I

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

**Section A (Short Answer Type Questions)***Answer all questions.**Each question carries 2 marks.*

Write briefly on :

1. Mantoux test.
2. Cholera toxin.
3. Pandemic.
4. Morphological features of *Corynebacterium diphtheriae*.
5.  $\alpha$ -haemolytic Streptococci.
6. Tetanospasmin.
7. M'Fayean's reaction.
8. MRSA.
9. Streptolysins.
10. Coagulase test.
11. Wool sorter's disease.
12. BCG vaccine.

(Maximum : 20 marks)

**Turn over**

**Section B (Paragraph Type Questions)**

*Answer all questions.  
Each question carries 5 marks.*

Write notes on :

1. Write a note on the virulence factors of staphylococcus aureus.
2. Discuss the morphological features and cultural characteristics of Neisseria gonorrhoeae.
3. List and explain the different methods of transmission of diseases.
4. Give an account on the laboratory diagnosis of syphilis.
5. Explain the pathogenesis of cholera.
6. Give an account on the normal flora of skin and respiratory tract and its importance.
7. Give an account leptospirosis.

( Maximum : 30 marks)

**Section C (Essay Type Questions)**

*Answer any one question.  
The question carries 10 marks.*

Write essay on :

1. Discuss the pathogenesis and symptoms of enteric fever. Add a note on its laboratory diagnosis.
2. Give a detailed account on the pathogenesis, clinical manifestations of tetanus. Add a note on its preventive measures.

(Maximum : 1 × 10 = 10 marks)