

SIXTH SEMESTER U.G. DEGREE EXAMINATION, MARCH 2024
(CBCSS—UG)

Name.....

Reg. No.....

Biotechnology

BTY 6B 17—MEDICAL BIOTECHNOLOGY
(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)

Answer any **ten** questions.
Each question carries 2 marks.

1. Morphology of Bacteria.
2. Pure culture methods.
3. Phenol coefficient.
4. Immunogen.
5. Secretory IgA.
6. Mycoplasma.
7. Immunoprophylaxis.
8. Ingredients of nutrient agar.
9. What are the organs of immune system ?
10. Candidiasis.
11. Widal test.
12. MRSA.

(10 × 2 = 20 marks)

Turn over

Section B (Paragraph Type Questions)

*Answer any **six** out of seven.
Each question carries 5 marks.*

13. Describe acute diarrheal disease.
14. Pathogenesis of Tuberculosis.
15. What are the major properties of pathogenic bacteria.
16. What is Gas gangrene ? Describe the pathogenesis of gas gangrene.
17. Explain different physical methods for sterilization.
18. What is Complement ? Explain the classical pathway of complement activation.
19. Describe the virus host interaction.

Section C (Essay Type Questions)

*Answer any **one**, which carries 10 marks.*

20. Explain different types antigen antibody reactions.
21. Describe the structure and diagnostic methods of HIV.

(1 × 1)