

## SIXTH SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION, MARCH 2021

## Biotechnology

## BTY 6B 17—MEDICAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 80 Marks

## Section A

Answer any **two** questions.  
Each question carries 10 marks.

1. Explain various culture methods.
2. Describe the structure and functions of lymphoid organs.
3. Describe the properties of Streptococcus.
4. Write a note on acute diarrheal diseases.

(2 × 10 = 20 marks)

## Section B

Answer at least **seven** questions.  
Each question carries 5 marks.  
All questions can be attended.  
Overall Ceiling 35.

5. Describe dry heat sterilization techniques.
6. Write a note on Immunity.
7. Write a note on virulence factors of Staphylococcus aureus.
8. Describe the properties of Salmonella typhi.
9. Explain virus host interactions.
10. Write a note on medically important Clostridia.
11. Discuss the pathogenic importance of E.coli.
12. Write a note on clinical importance of spirochaetes.
13. Explain the pathogenesis of pulmonary tuberculosis.
14. Write a note on Adenoviruses.
15. Explain disc diffusion test.
16. Write a note on immunotherapy.

Turn over

17. Explain the pathogenesis of infectious hepatitis.
18. What is the importance of normal flora of human body?

(7 × 5 =

### Section C

*Answer at least **three** questions.  
Each question carries 5 marks.  
All questions can be attended.  
Overall Ceiling 15.*

19. How is H1N1 transmitted?
20. Write briefly on typhus fever.
21. What are the infections caused by herpes simplex virus Type 2?
22. Write a note on serum hepatitis.
23. How is small pox transmitted?

(3 × 5 = 1

### Section D

*Answer **all** questions.  
Each question carries 2 marks.*

24. What is Streptodornase?
25. What is the principle of tube coagulase test?
26. Explain lattice hypothesis.
27. What is meant by alternative path way of complement activation?
28. What is local immunity?

(5 × 2 = 10