

C 1105

Library.  
05/07/2021

(Pages : 2)

Name.....

Reg. No.....

**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 = 35 marks)

### 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 = 15 marks)

### 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 marks)