C 1105

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)