

VCD 5/10/19

2 ½ Hours

Total Marks: 75

1. Attempt **all** questions.
2. **All** questions carry **equal** marks.
3. Draw **neat labelled diagrams** wherever necessary.
4. Use of **log tables** and **non-programmable calculator** is **allowed**.
5. For **Q 2, Q 3 and Q 4** attempt A and B **OR** C and D.

Q 1 Do as directed (Any fifteen)

15

1. Define commensalism.
2. _____ is a systemic infection arising from the multiplication of pathogens in the blood.
3. Explain the term - Normal flora.
4. Name the method of transmission of hepatitis A.
5. Give one example of a secondary infection.
6. What do you mean by droplet transmission?
7. State true / false: Influenza A is an example of an acute disease.
8. Give one word for : Small, fluid-filled lesion on skin.
9. Name the organism causing scalded skin syndrome.
10. What are GAS?
11. What is the term used for pulmonary infections caused by bacteria?
12. Verotoxin is produced by _____.
13. Cultures of _____ bacilli have a fishy smell.
14. Explain the term : Tubercle.
15. Bacillary dysentery is also called as _____.
16. The toxin produced by Shigella is called as _____.
17. Name any one organism causing paratyphoid fever.
18. _____ is called as Teflon pathogen.
19. Syphilis is caused by _____.
20. The causative organism of gonorrhoea is _____.

- Q. 2 A How would you classify infectious disease based on their occurrence and duration? 08
- Q. 2 B Elaborate on epidemiological markers. 07
- OR
- Q. 2 C Discuss the development of a particular disease. 08
- Q. 2 D Explain the three methods of transmission of disease. 07
- Q. 3 A Comment on *S. aureus* as a skin pathogen. 08
- Q. 3 B Describe the various dermal infections caused by *S. pyogenes*. 07
- OR
- Q. 3 C List and explain the various virulence factors of *E. coli*. 08
- Q. 3 D Elaborate on the pathogenesis of the disease caused by *M. tuberculosis*. 07
- Q. 4 A Explain the pathogenesis of shigellosis. 08
- Q. 4 B Elaborate on the mechanism of bacterial gastroenteritis. 07
- Q. 4 C How would you diagnose a case of gonorrhoea? 08
- Q. 4 D Describe the various stages of syphilis. 07
- Q. 5 Write Short notes on **any three** of the following 15
- Koch's postulates.
 - Herd immunity.
 - Screening tests for UTI.
 - Diagnosis of tuberculosis.
 - Nosocomial infections.