

B.Sc. (CBCS Pattern) Sem-V
USMBT-09 - Microbiology Paper-I (Medical Microbiology)

P. Pages : 2

Time : Three Hours



GUG/W/22/13105

Max. Marks : 50

Notes : 1. All questions are compulsory and carry equal marks.

1. Describe the various stages of infections diseases. **10**

OR

a) Explain the beneficial and harmful effect of normal flora of Human body. **2½**

b) Explain the terms with example - Pandemic disease and Zoonotic disease. **2½**

c) Explain with example- Acute infection and chronic infection. **2½**

d) Describe the term- Bacteremia and Toxemia. **2½**

2. Describe the various modes of disease transmission. **10**

OR

a) What are carriers? Describe various types of carriers. **2½**

b) Describe various portal of entry. **2½**

c) Explain the vectors as a modes of disease transmission. **2½**

d) Describe the Normal flora of Skin. **2½**

3. Describe various types of aggresins responsible for invasiveness process. **10**

OR

a) Differentiate between the Exaltation and Attenuation. **2½**

b) What are toxoids? Describe the types of toxoids. **2½**

c) Describe any two methods of Attenuation. **2½**

d) Differentiate between exotoxin and Endotoxin. **2½**

4. Explain the laboratory diagnosis, treatment and prevention of Typhoid. **10**

OR

a) Write the Acid fast staining used in detection of Tuberculosis. **2½**

b) Describe the pathogenesis of Dengue. **2½**

c) Write the laboratory diagnosis method used in detection of Hepatitis A. 2½

d) Write the pathogenesis of Candidiasis. 2½

5. Attempt **any ten**.

a) Define the term - Nosocomial infection. 1

b) Define - Exotic disease. 1

c) Define - Sign and symptoms. 1

d) Give two examples of skin diseases. 1

e) What is exogenous source of infection. 1

f) Give two example of respiratory tract diseases. 1

g) Define the term - MLD. 1

h) Define the term ID₅₀. 1

i) Define vaccine. 1

j) Name the etiological agent of malaria. 1

k) Write the Prevention of Dengue. 1

l) Name the causative agent of AIDS. 1
