

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

P. Pages : 2

Time : Three Hours



GUG/W/24/13105

Max. Marks : 50

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- Notes : 1. All questions are compulsory.
2. Draw the diagram wherever it is necessary.

1. Describe the various stages of infections diseases. 10

OR

- a) Write a note on zoonotic diseases. 2.5
- b) Define sign, symptoms & syndrome with example. 2.5
- c) Normal flora Urinogential tract. 2.5
- d) Write the characteristic of Normal microbial flora. 2.5

2. Explain methods of control of communicable diseases based on sources of infection and blocking the channels of disease transmission. 10

OR

- a) Explain susceptibility of Host. 2.5
- b) Discuss non living sources of infection. 2.5
- c) What is portal of entry? Explain. 2.5
- d) What are carriers? Describe various types of carriers. 2.5

3. What are vaccines? Explain its types. 10

OR

- a) Explain toxoids with example. 2.5
- b) Write the methods of attenuation. 2.5
- c) Define MID, MLD and ID50. 2.5
- d) Write a short note on endotoxin. 2.5

4. Describe pathogenesis and Laboratory diagnosis of Mycobacterium tuberculosis. 10

OR

- a) Explain Morphology and cultural characteristics of Shigella dysentery. 2.5
- b) Explain the structure of dengue virus. 2.5
- c) Write a short note on Candidiasis. 2.5
- d) Explain Epidemiology & treatment of Malaria. 2.5

5. Solve **any ten**.

- a) Define secondary infection. 1
- b) What is chronic infection? 1
- c) What is Nosocomial Infection? 1
- d) What is Chronic carriers? 1
- e) Define Vector. 1
- f) What is Quarantine? 1
- g) Define exotoxin. 1
- h) Define Toxoid. 1
- i) Give any two example of live vaccine. 1
- j) Name the etiological agent of malaria. 1
- k) Give the full form HIV. 1
- l) Write the causative agent of Typhoid. 1
