



- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw well labelled diagram wherever necessary.

1. Discuss the normal flora of human body. **10**
- OR**
- Describe different modes of disease transmission.
2. Describe the factors responsible for invasiveness of pathogen. **10**
- OR**
- Discuss Pathogenesis and laboratory diagnosis of HIV.
3. a) Describe control of communicable disease by blocking the channels of transmission. **2½**
b) Give the list of Airborne disease with their causative organisms. **2½**
c) Differentiate between exotoxin and endotoxin. **2½**
d) Describe the pathogenesis of salmonella typhi **2½**
- OR**
- e) Describe beneficial and harmful effects of normal flora of human body. **2½**
f) Explain insects as a source of infection. **2½**
g) Write different types of vaccines. **2½**
h) Give the list of skin diseases with their causative organisms. **2½**
4. a) Describe different stages of infections disease. **2½**
b) Give the list of various viral diseases with their causative agents. **2½**
c) Describe different methods of Attenuation. **2½**
d) Write laboratory diagnosis of M. Tuberculosis. **2½**
- OR**
- e) Explain the terms, septicemia, Pyaemia and Saproemia. **2½**
f) What is carrier? Write their different types. **2½**
g) Define MLD, MID and LD₅₀. **2½**
h) Write note on dengue virus. **2½**

5. Solve **any ten** of the followings.
- a) Define the term Iatrogenic infection with example. **1**
 - b) What is prosodemic disease? Give example. **1**
 - c) What is toxemia? **1**
 - d) Write any two protozoan diseases with their causative organisms. **1**
 - e) Write two endogenous sources of infection. **1**
 - f) What is susceptible host? **1**
 - g) What is Toxoid? Give example. **1**
 - h) What is exaltation? **1**
 - i) What is enterotoxin? **1**
 - j) Give the structure of Dengue virus. **1**
 - k) What gametogony of plasmodium? **1**
 - l) What is mantoux test? **1**
