2. Long answer question (**any one** out of **two**) :   [1 × 15 = 15]

   a) Define the term Immunity. Write the differences between Active and Passive Immunity. Enlist and explain immunoglobulin classes with their functions.

   b) Name organism causing enteric fever and explain its pathogenesis. Write Laboratory diagnosis of enteric fever.

SECTION - "B" (35 Marks)

3. Short answer question (**any four** out of **five**) :   [4 × 5 = 20]

   a) Write a note on universal safety precautions.

   b) Explain a detailed note on Cold chain of vaccine.

   c) Write a short note on Hot Air Oven.

   d) Write in brief various lesions caused by Cadidia and its laboratory diagnosis.

   e) Write various measures for prevention of nosocomial infections.

4. Long answer question (**any one** out of **two**) :   [1 × 15 = 15]

   a) Write Modes of transmission of HIV. Enumerate opportunistic infections in HIV positive patients. Briefly write about prevention of HIV.

   b) Write general characteristics of Viruses. Methods of cultivation of viruses. Write National Immunization schedule.

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