DG-3139
Third Year B. Sc. (Sem. V) (Microbiology) Examination
March / April - 2016
MB - 15 : Medical Microbiology

Time : Hours] [Total Marks : 50

Instruction :
Fill up strictly the details of ☐ signs on your answer book.
Name of the Examination :
THIRD YEAR B. SC. (SEM. 5) (MICROBIOLOGY)
Name of the Subject :
MB - 15 : MEDICAL MICROBIOLOGY
Subject Code No.: 3139 ☐ Section No. (1, 2,.....): Nil

1. Give Answer in Brief:
   a. What are the different forms of emerging influenza virus.
   b. Explain MDR-TB and its development.
   c. List the causative agents of foodborne infections.
   d. Give a schematic diagram of HIV-1 virus.
   e. Enlist the staphylococcal skin infections.
   f. State the causative agent of common cold and its pathogenesis.

2. Comment/explain any two of the following.
   a) Streptococcus has a wide range of virulence factors.
   b) Plague is spread to humans thorough the urban cycle and sylvatic cycle.
   c) Tetanus is potentially life threatening.

3. Discuss any two of the following.
   a) Explain in detail the course of influenza infection, pathogenesis and the symptoms associated with flu. Justify: it has been difficult to develop a single flu vaccine.
   b) Explain in detail the virulence factors and pathogenesis of M. tuberculosis. Discuss in detail the laboratory diagnosis and treatment.
   c) Why is tetanus potentially life threatening. Explain in detail the causative agent its virulence factors and its pathogenesis. Give the vaccination regime in tetanus.

4. Write Short Notes on any two of the following.
   a) Serum hepatitis.
   b) Common cold.
   c) Dengue - pathogenesis and lab diagnosis.