



DG-3139

Third Year B. Sc. (Sem. V) (Microbiology) Examination
March / April - 2016

MB - 15 : Medical Microbiology

Time : Hours]

[Total Marks : 50

Instruction :

नीचे दृशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लखवी.
Fillup 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. : **3 1 3 9** Section No. (1, 2,.....): **Nil**

Seat No. :

Student's Signature

1. **Give Answer in Brief:** (12)
 - 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.** (12)
 - a) Streptococcus has a wide range of virulence factors.
 - b) Plague is spread to humans through the urban cycle and sylvatic cycle
 - c) Tetanus is potentially life threatening.
3. **Discuss any two of the following** (16)
 - 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.** (10)
 - a) Serum hepatitis.
 - b) Common cold
 - c) Dengue- pathogenesis and lab diagnosis.