



**RAN-1080**

**Third Year B. Sc. (Medical Technology) (Sem. V) Examination**

**March / April - 2019**

**MT-11 : Medical Microbiology - 1**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**સૂચના : / Instructions**

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
**Fill up strictly the details of signs on your answer book**

Name of the Examination:

☛ **Third Year B. Sc. (Medical Technology) (Sem. V)**

Name of the Subject :

☛ **MT-11 : Medical Microbiology - 1**

Subject Code No.:

Seat No.:

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Student's Signature

**1. Give detailed answers:**

**(10)**

- (1) State causative agent of Diphtheria disease. Name the toxins produced by it.
- (2) Give the role of WHO in disease surveillance.
- (3) Enlist the causative viruses of Hepatitis.
- (4) What symptoms observed in Shigellosis?
- (5) State causative agent of Q fever. Write control measures for this disease.

**2. Give detailed answers: (Any Two)**

**(12)**

- (1) Several drugs act by antagonizing or blocking the metabolic pathways.
- (2) Cholera is toxin mediated disease.
- (3) Nosocomial infection spread through various routes.

**3. Answer the following in detail: (Any One) (14)**

- (1) Give detailed account on Influenza with reference to epidemiology, pathogenicity and treatment.
- (2) Discuss Tuberculosis in terms of causative agent, pathogenesis and laboratory diagnosis.

**4. Write short notes: (Any Two) (14)**

- (1) Semisynthetic penicillins
  - (2) Common Cold
  - (3) Typhoid- Causative agents and pathogenesis.
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