



# RAN-1170

## T. Y. B. Sc. Microbiology SEM-VI Examination

March / April - 2019

### MB 21: Clinical Microbiology and Epidemiology

Time: 2 Hours ]

[ Total Marks: 50

#### સૂચના : / Instructions

1.

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

Name of the Examination:

T. Y. B. Sc. Microbiology SEM-VI

Name of the Subject :

MB 21: Clinical Microbiology and Epidemiology

Subject Code No.: 1 1 7 0

Seat No.:

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Student's Signature

2. Figures to the right indicate full marks of the question.
3. Draw neat and labeled diagrams whenever necessary.

#### Q.1 Give Specific answers

12

- a) Differentiate between Morbidity rate and Mortality rate
- b) Give full form of TCBS & PYR
- c) Define and differentiate: antigenic shift & antigenic drift
- d) Enlist ideal characteristics of chemotherapeutic agents.
- e) State the biochemical test for the diagnosis of UT1.
- f) Define synthetic and semisynthetic drugs with example.

- Q.2 Explain/comment on any two of the following 12**
- a) Different carriers play important role in the epidemiology of disease.
  - b) Blood must be collected and dispensed with great care for clinical nation, agents are likely to produce resistant.
  - c) Antimicrobial resistance among microorganisms.
- Q3. Discuss any two of the following 16**
- a) Explain emerging and reemerging disease with various examples.
  - b) Discuss in detail the antibacterial drugs inhibiting synthesis of cell wall
  - c) Elaborate on: Microbiological examination of Pus sample.
- Q.4 Write short notes on any two of the following 10**
- a) Nosocomial Infection.
  - b) Urine: Cast and Crystals.
  - c) Antiviral drugs.
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