



RAN - 2203000206026002

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**T.Y.B.Sc. (Sem. VI) Examination September - 2023**

**Microbiology**

**MB - 602 Epidemiology and Medical Microbiology**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**सूचना : / Instructions**

(१)

नीचे दशविवेक निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.

Fill up strictly the details of signs on your answer book

Name of the Examination:

T.Y.B.Sc. (Sem. VI)

Name of the Subject :

Microbiology MB - 602 Epidemiology and Medical Microbiology

Subject Code No.: 2203000206026002

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.  
(3) Draw neat and labeled diagrams wherever necessary

**Que: 1 Give specific answers.**

**[12]**

- A. Name the agencies that are responsible for disease prevention and control.  
B. Define following:  
a. cytokine storm  
b. Tubercles  
C. Name two Human protozoal pathogens.  
D. Name the four different spp of genus *Shigella* which cause the disease shigellosis.  
E. Mention the physiological Effects of Botulinum Toxin on neurons.  
F. What is Histoplasmosis? Name the causative agent for this disease.

**Que: 2 Comment on/justify any two of the following**

**[12]**

- A. Pathogenic microorganism has various different Adherence Factors.  
B. There are Six different Strains of Diarrheagenic E. coli. interact with host intestinal epithelial cells.  
C. Various Enzymes and Toxins are produced by Staphylococci.

**Que: 3. Explain any two of the following in detail** [16]

- A. Explain in details about infectious disease process and four different stages of infectious diseases.
- B. Discuss in detail on Pathogenesis, Diagnosis and Treatment of SARS-CoV2.
- C. Acquired Immune Deficiency Syndrome and its diagnosis method.

**Que: 4. Write short notes on any two of the following.** [10]

- A. Exotoxins v/s Endotoxins
  - B. Aspergillosis
  - C. Typhoid Fever
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