

**RAN-2103000206021101****T.Y.B.Sc. (Sem. - VI) Examination September - 2025****Bioscience (Microbiology)****Medical Microbiology and Immunology (Paper - BS - 601)****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. (Sem. - VI)

Name of the Subject :

Bioscience (Microbiology) Medical Microbiology and Immunology (Paper - BS - 601)

Subject Code No.: 2103000206021101

Seat No.:

Student's Signature

(2) Figures to the right indicate full marks of the question.

(3) Draw neat and labeled diagrams whenever necessary

SET-B**Q. 1 Multiple choice question: (MCQ)****08**

- Which of the following is an air borne disease?
 - Diphtheria
 - SARS
 - Pneumonia
 - All
- Which of the following is an example of ATD?
 - Penicillin
 - INH
 - Cotrimaxazole
 - None
- _____ a causative agent of Hepatitis.
 - HBV
 - HEV
 - HCV
 - All
- _____ is venereal infection?
 - Polio
 - Gonorrhea
 - Hepatitis
 - All

5. Which of the following is an example of intracellular parasite?
 - a. Balantidium
 - b. Giardia
 - c. Plasmodium
 - d. None
6. An example of AHD _____
 - a. Penicillin
 - b. Cotrimaxazole
 - c. INH
 - d. None
7. Which of the following is active agglutination test?
 - a. RA test
 - b. Widal test
 - c. RPR test
 - d. All
8. Which of the following is an allergic reaction?
 - a. Serum sickness
 - b. Serum hepatitis
 - c. Viral conjunctivitis
 - d. All

Q. 2 [A] Give Specific answers. 04

1. Elaborate ATD suitable example.
2. Enlist the hepatitis virus.
3. Give any two examples of protozoan disease.
4. Define - Autoimmune disease.

[B] Write short notes: (Any Two) 10

1. Epidemiology of Water & Food borne disease
2. Clinical spectrum of polio
3. RA test

Q. 3 Write an essay on - Gonorrhea. 14

OR

Q. 3 Answer the question: 14

1. Describe in brief pathogenesis & symptoms of TB.
2. Write a note on Candidiasis.

Q. 4 Answer the question. (Any Two) 14

1. Explain passive agglutination.
2. Write a note on classical pathway of complement fixation.
3. Describe in brief Type II hypersensitivity