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RAN-2103000206021101

T.Y.B.Sc. (Sem. VI) Examination March - 2025

Bioscience (Microbiology)

Medical Microbiology & Immunology (Paper - BS - 601)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

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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 & Immunology (Paper - BS - 601)

Subject Code No.: 2103000206021101

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 Multiple choice question: (MCQ)

08

- Bile solubility test is used for detection of _____ pathogen
 - Tetanus
 - Cholera
 - Pneumonia
 - None
- Which of the following is not a diplococci?
 - Staphylococci
 - Pneumococci
 - Gonococci
 - Meningococci
- Which of the following is a causative agent of serum Hepatitis?
 - HBV
 - HAV
 - HCV
 - All
- _____ is an example of rabies vaccine.
 - Sample vaccine
 - DEV
 - HDCV
 - All

RAN-2103000206021101]

[1]

[P.T.O.]

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5. An example of protozoan parasite, except _____.
 - a) Balantidium
 - b) Giardiasis
 - c) Ascaris
 - d) All
6. An example of human parasitic worm _____.
 - a) Ascaris
 - b) Taenia
 - c) Ancylostoma
 - d) All
7. Which of the following is passive agglutination test?
 - a) Widal test
 - b) RPR test
 - c) Coomb's test
 - d) All
8. Which of the following is a cell mediated allergic reaction?
 - a) Asthma
 - b) Hay fever
 - c) Tuberculin type
 - d) All

Q.2 [A] Give Specific answers. 04

- 1) Elaborate BCG and OPV.
- 2) Enlist the symptoms of TB.
- 3) State the causative agent and host for Ascariasis
- 4) What is atopens?

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

- 1) Lab diagnosis of cholera
- 2) DOT plus
- 3) CFT

Q.3. Write an essay on - Tetanus. 14

OR

Q.3 Answer the question: 14

- 1) Describe in brief pathogenesis & clinical spectrum of Rabies.
- 2) Write a note on - Epidemiology of malaria.

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

- 1) Explain in brief Coomb's test.
- 2) Describe in brief gel precipitation reaction.
- 3) Describe in brief Type -1 allergic reaction.