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RAN-2103000206021102

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

Bioscience (Microbiology)

BS 602: Clinical Microbiology

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

(१)

नीचे दशावैल निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
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) BS 602: Clinical Microbiology

Subject Code No.: 2103000206021102

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks.
(3) Draw neat & clean diagram wherever necessary.

Q.1. Multiple choice questions:

08

1. First case in the epidemic is called
 - a. Sporadic case
 - b. Epidemic case
 - c. Index case
 - d. All
2. Which of the following is a component of the infection cycle?
 - a. Pathogen
 - b. Source
 - c. Susceptible host
 - d. All
3. Microbiological examination of clinical specimens includes,
 - a. Isolation of pathogen
 - b. Identification of pathogen
 - c. Antimicrobial sensitivity
 - d. All
4. Which of the following is not a biochemical media?
 - a. Ami's medium
 - b. Peptone water
 - c. Simon citrate agar slant
 - d. Sugar media
5. E-test is an example of
 - a. Diffusion test
 - b. Dilution test
 - c. Disc diffusion
 - d. All

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[1]

[P.T.O.]

P0291

6. Which of the following is a chemotherapeutic agent?
 - a. Penicillium
 - b. Sulphonemides
 - c. Isonicotinic acid
 - d. All
7. Which of the following is an immunological assay?
 - a. ELISA
 - b. RIA
 - c. Immunoblot technique
 - d. All
8. Monoclonal antibody produced by technique.
 - a. Clonal selection
 - b. Hybridoma
 - c. ELISA
 - d. All

Q.2. [A] Answer as directed: 04

1. Give any two examples of communicable diseases.
2. State any two biochemical media
3. What is MIC?
4. Define: Polyclonal antibody

[B] Write short note on Any Two 10

1. Emerging & Re-emerging disease.
2. API 20.
3. E-Test.

Q.3. Answer the following questions. 14

1. Explain in brief an epidemiological tool.
2. Write a note on -Epidemiology

OR

Q.3. Write an essay on-Collection, aseptic handling & transport of clinical samples. 14

Q.4. Answer Any Two of the following. 14

1. Write a note on - MIC by Dilution test
2. How monoclonal antibodies are produced?
3. Describe in brief the chemotherapeutic agent.