

2303230201020002
EXAMINATION NOVEMBER 2024
POST GRADUATE DIPLOMA IN MEDICAL LABORATORY
TECHNOLOGY (FIRST SEMESTER)
IMMUNOLOGY (THEORY) - LEVEL 2

[Time: As Per Schedule]

[Max. Marks:70]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **POST GRADUATE DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY (FIRST SEMESTER)**
- b. Name of the Subject : **IMMUNOLOGY (THEORY) - LEVEL 2**
- c. Subject Code No : **2303230201020002**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer in one or two sentences each: (Any 7):

14

1. What is innate immunity? Give its classification.
2. Write the principle of latex test for CRP.
3. Which test is done for diagnosis of typhoid? Describe in short.
4. Name some physiological barriers in our body.
5. Give the full form of ELISA and name the reagents available in HIV kit.
6. What is heavy chain in immunoglobulin?
7. What is immunodiffusion? Give its examples.
8. Give the full form of RIA and name the isotope used in it.

Q.2 Attempt any two of the following:

14

1. Enlist different types of vaccines and write in detail about killed vaccine
2. What is acquired immunity? Discuss its types in detail
3. Describe the role of lymphocytes involved in adaptive immune response.

Q.3 Answer any two of the following:

14

1. Define antibody and give its properties
2. Give the characteristics and explain the properties of Antigen.
3. Applications of monoclonal antibodies.

Q.4 Answer short notes on any two of the following: 14

1. Factors affecting antigen antibody reaction.
2. Agglutination reactions.
3. Rapid diagnostic tests based on Immunochromatography.

Q5 Answer any two of the following: 14

1. Difference between Immediate and delayed hypersensitivity.
2. Give the classification of autoimmune disease and describe any one type of autoimmune disease in detail.
3. Secondary immunodeficiency.
