

SHIVAJI COLLEGE, UNIVERSITY OF DELHI

DEPARTMENT OF BIOCHEMISTRY

INTERNAL TEST (Academic Year 2023-24)

Name of the Course : B.Sc. (H) Biochemistry Semester : VI
Name of the Paper : Immunology Faculty Name : Dr, Abhijeet Mishra
Duration : One hr Maximum Marks: 35
Date of Test : 01/03/24

1. Which of the following immunoglobulins makes the largest percentage in breast milk?

(a) IgM (b) IgD (c) IgG (d) IgA

2. Transplanted graft may be rejected due to

(a) cell-mediated immune response (b) humoral immune response

(c) innate immune response (d) passive response

3. Oral polio drops contain

(a) harvested antibodies (b) activated pathogens

(c) attenuated pathogens (d) gamma globulins

4. Antibodies are

(a) prostaglandins (b) steroids (c) lipoproteins (d) glycoproteins

5. Interferons are

(a) antibiotic proteins (b) antiviral proteins (c) antigen proteins (d) all of the above

6. Globulins of the blood plasma are responsible for

(a) defence mechanisms (b) blood clotting (c) oxygen transport (d) osmotic balance

7. Which of the following antibodies is predominantly present in tears, saliva and mucous

(a) IgM (b) IgG (c) IgE (d) IgA

8. The class of antibodies, which can cross placenta is

(a) IgD (b) IgA (c) IgG (d) IGM

9. Antigen binding sites are present in

(a) Fab regions of an antibody (b) F_c region of an antibody

(c) only in the light chain (d) only in the heavy chain

10. Type I hypersensitivity involves

(a) IgD (b) IgM (c) IgE (d) IgG


Faculty Signature:

- Q1. Define antigen and Immunogen. Explain characteristics of Both.
- Q2. Explain formation of MAC complex. (All three pathways with flowchart).
- Q3. What is the function of bone marrow stromal cells in the maturing B cells?
- Q4. Describe the structure of IgG and highlight the function of all domains.
- Q5. Explain how endogenous antigens are processed in cytosolic pathway.

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