

DEPARTMENT OF ZOOLOGY

4TH SEMESTER

CLASS TEST

FULL MARKS- 30

1. Answer the following questions- (any five)

5×2=10

- I. What are the affinity & avidity with example.
- II. Write the application of RIA.
- III. Difference between antigen & antibody.
- IV. Define the monoclonal antibody.
- V. Difference between monoclonal & polyclonal antibody.
- VI. Write notes on- IgA.
- VII. What are hypervariable region & hinge region.
- VIII. Mention the functional significance of Fab & Fc.
- IX. What is meant by DNA vaccine?
- X. Differentiate live attenuated vaccine & heat killed vaccine.

2. Answer the following questions- (any four)

5 ×4=20

- I. write short note on sandwich ELISA.
- II. Add a note on hybridoma technology.
- III. Discuss the structure & biological function of IgM & IgG.
- IV. Write briefly the types of vaccination with their importance.
- V. Describe about antigen-antibody interaction.

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FULL MARKS- 30

1. Answer the following questions- (any five)

5×2=10

- I. What is ABO system.
- II. Write the names of blood clotting factor helps in blood coagulation(any 4).
- III. What is haemostasis?
- IV. What is erythroblastosis fetalis?
- V. Define Rh factor & its significance?
- VI. Write the functions of leucocytes?
- VII. Write the function of thrombocyte/platelets.
- VIII. Write a short note on- haemopoiesis?

2. Answer the following questions- (any two)

10×2=20

- I. Write the structure & function of Hb.
- II. Write the blood clotting system with diagram.
- III. Write the word diagram of components of blood.