

Model Question Paper
Zoology-Immunology - Part IV

12th Standard

Biology

Reg.No. :

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I. Answer all the questions.

II. Use Blue pen only.

Time : 00:45:00 Hrs

Total Marks : 50

5 x 1 = 5

Section-A

- 1) T-helper cells get matured in
(a) Lymph nodes (b) Bone marrow (c) Thymus (d) Spleen
- 2) The number of polypeptide chains present in the Immunoglobulin is
(a) Two (b) Three (c) Four (d) Five
- 3) Primary lymphoid organ in the bird is
(a) Thymus (b) Spleen (c) Bursa of fabricius (d) Bone marrow
- 4) The lymphoidal tissues (Peyer's patches) are present in
(a) Spleen (b) Gut (c) Kidney (d) Thymus
- 5) Development of Thymus starts about
(a) fourth week of gestation (b) fifth week of gestation (c) sixth week of gestation (d) third week of gestation

Section-B

6 x 3 = 18

- 6) Define allergy or hypersensitivity.
- 7) What are central lymphoid organs? Give two example.
- 8) What are the three main functions of free antibodies?
- 9) What is Autigraft?
- 10) Distinguish the variable and constant region in the Ig molecule.
- 11) What is natural immunity?

Section-C

5 x 5 = 25

- 12) Explain the process during first set of reaction, second set of reaction and final lysis during graft rejection. (or) How the graft rejection be prevented in the clinical field?
- 13) Differentiate Immunogen from Antigen. Explain the natural and potential antigens.
- 14) Write about Activation of Adaptive immunity.
- 15) Explain the structure of Thymus.
- 16) Explain the structure of lymphnode.
