

**Model Question Paper**  
**Zoology-Immunology - Part III**  
12th Standard

**Biology**

Reg.No. : 

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I. Answer all the questions.  
II. Use Blue pen only.

Time : 01:15:00 Hrs

Total Marks : 80

5 x 1 = 5

**Section-A**

- 1) Fever response of the body forms  
(a) anatomical barrier (b) physiological barrier (c) phagocytic barrier (d) inflammatory barrier
- 2) Release of serotonin forms  
(a) Anatomical Barrier (b) Physiological Barrier (c) Phagocytic Barrier (d) Inflammatory Barrier
- 3) Specific immunity can be retained by the body for  
(a) minutes (b) hours (c) a day (d) a prolonged time
- 4) Cell-mediated immunity is performed by  
(a) Macrophages (b) B-lymphocytes (c) Cytotoxic lymphocytes (d) dendritic cells
- 5) Hassell's corpuscles are formed of  
(a) lymphoid cells (b) dendritic cells (c) epithelial cells (d) medulla cells

**Section-B**

4 x 3 = 12

- 6) What are the chemical alarm signals for inflammation?
- 7) What is Haematopoiesis?
- 8) What is acquired immunity / specific immunity?
- 9) What is Cell - Mediated Immunity (CMI)?

**Section-C**

7 x 5 = 35

- 10) What is Transplantation? What are the types of grafts?
- 11) What are the steps to be taken to prevent the graft rejection.
- 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.

**Section-D**

2 x 10 = 20

- 17) a) Differentiate Passive and Active adapted immunity.  
b) Classify the lymphoidal organs with examples.
- 18) a) What are Hassall's corpuscles?  
b) What are apoptosis? (or) State the main functions of thymus.

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