

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION MAY 2019  
(Sixth Semester)  
Branch- **ZOOLOGY**

**IMMUNOLOGY**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Immunity.
- 2 Stroma.
- 3 Autoantigen.
- 4 Fab.
- 5 Human Leucocyte Antigen.
- 6 Lymphoma.
- 7 Incidious rejection.
- 8 Immunoprophylaxis.
- 9 Hybridoma Technology.
- 10 Antigen specificity.

**SECTION - B (25 Marks!)**

Answer **ALL** Questions

**ALL** Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Differentiate the active and passive immunity.  
OR  
b What is macrophage? List out their function.
- 12 a Describe the difference between antigen and antibody.  
OR  
b Give a short note on precipitation.
- 13 a Explain about the genetics of HLA.  
OR  
b Write a short account on immune surveillance.
- 14 a Describe about the types of allograft rejection.  
OR  
b Give a brief account on killed vaccines.
- 15 a What are the steps involved in the production of antibody in primary response?  
OR  
b Give a note on Immunoelectrophoresis technique.

**SECTION - C (30 Marks)**

Answer any **THREE** Questions

**ALL** Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 Describe about the primary lymphoid organs.
- 17 Explain in detail note on antigens.
- 18 Give a detail account on mechanism of cytotoxic reaction.
- 19 Write an essay on mechanism of Graft versus Host reaction and prevention of Graft rejection.
- 20 What is ELISA? Explain their types with neat illustration.