

# **PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)**

**MSc DEGREE EXAMINATION DECEMBER 2025**  
**(Third Semester)**

## Branch - ZOOLOGY

## **INTRODUCTION TO IMMUNOLOGY**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

**Answer ALL questions**

**ALL** questions carry **EQUAL** marks

$$(10 \times 1 = 10).$$

Cont. 1

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks  $(5 \times 7 = 35)$ 

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain about Phagocytic cells in response to Antigens.	K2	CO1
		(OR)		
	11.b.	Describe the role of different Immune cells.		
2	12.a.	Explain the characteristics of Monoclonal Antibodies.	K3	CO2
		(OR)		
	12.b.	Analyse the Expression of Immunoglobuline genes.		
3	13.a.	Elaborate the Major Histocompatibility complex II structure.	K4	CO3
		(OR)		
	13.b.	Explain the Inheritance of Major Histocompatibility complex.		
4	14.a.	Analyst the interaction of Corona Virus with Covid Vaccines.	K4	CO4
		(OR)		
	14.b.	Explain the Agglutination Reaction of Antigen and Antibody.		
5	15.a.	Give an account on B cell receptors in Antigen processing reaction.	K3	CO5
		(OR)		
	15.b.	Write note on Hypersensitivity reactions.		

**SECTION -C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks  $(3 \times 10 = 30)$ 

Module No.	Question No.	Question	K Level	CO
1	16	Discuss the cellular constituents of the lymphoreticular system in Immune system.	K4	CO1
2	17	Elaborate the disorders of immunoglobulin synthesis.	K4	CO2
3	18	Explain the Antigen Processing and presentation.	K5	CO3
4	19	Explain the Importance and applications Immuno assay.	K5	CO4
5	20	Discuss about the transplantation in immunology.	K6	CO5