

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

**MSc DEGREE EXAMINATION DECEMBER 2018**  
(Second Semester)

Branch **ZOOLOGY**

**IMMUNOLOGY**

Time: Three Hours

Maximum: 75 Marks

Answer **ALL** questions

**ALL** questions carry **EQUAL** Marks (5 x 15 = 75)

- 1 a Tabulate the differences between the Granular and Agranular leucocytes with suitable examples.  
OR  
b. Write an account on Lymphocytes with a neat labeled sketch.
- 2 a Describe the organization and expression of immunoglobulin genes.  
OR  
b Explain the generalized structure of immunoglobulin and add on its biological functions.
- 3 a Define Complement factors. Explain the complement fixation.  
OR  
b ■ Write the procedure for the immunoassay using labeled reagents.
- 4 a Give an account on Antigen processing and presentation.  
OR  
b Write notes on MHC -I and MHC - II.
- 5 a With diagram explain the B cell receptor.  
OR  
b Write notes on T-cell Receptors with a neat labeled sketch.

Z-Z-Z

END