

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)  
BSc DEGREE EXAMINATION MAY 2017  
(Third Semester)

Branch -BIOTECHNOLOGY

IMMUNOBIOLOGY

Time : Three Hours

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Maximum : 75 Marks

SECTION-A (20 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

( 1 0 x 2 = 20)

- 1 What is Adjuvants?
- 2 What is Macrophage?
- 3 What are Allotypes?
- 4 Define Antibody.
- 5 Interleukin.
- 6 Tumor Necrosis Factor.
- 7 On cogene.
- 8 What are HAT medium? \*
- 9 What is Laurell's technique?
- 10 Single Immuno diffusion. •

SECTION - B (25 Marks!)

Answer ALL Questions

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

- 11 a Brief notes on Innate Immunity.  
OR  
b Explain about Adaptive Immunity.
- 12 a Discuss about Antigen Processing.  
OR  
b Detail notes on Class II MHC molecule.
- 13 a Write note on structure of B cell Receptor.  
OR  
b Explain about immunofluorescence.
14. a ' Explain about Type I Hypersensitivity.  
OR  
b Write notes on Type II Hypersensitivity.
- 15" a Write about passive Agglutination.  
OR .  
b Detail about peroxidase- Anti peroxidase method.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Elaborate notes on role of dendritic cells in Immune response.
- 17 Detail notes on complement system and their regulation.
- 18 Write notes on origin, development differentiation of B lymphocytes.
- 19 Describe about Auto immunity.
- 20 Detail notes on ELISA and its types.