

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

Branch- ZOOLOGY

IMMUNOLOGY

Time : Three Hours

Maximum : 75 Marks '

SECTION-A (20 Marks!)

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Answer ALL questions

ALL questions carry EQUAL marks

(10 x 2 = 20)

- 1 Primary lymphoid organs.
- 2 Stem cells.
- 3 Epitopes.
- 4 Avidity.
- 5 Allergy.
- 6 Autoimmunity.
- 7 Xenograft.
- 8 Convergent combination therapy.
- 9 Monoclonal antibodies.
- 10 HLA.

SECTION - B (25 Marks)

Answer ALL Questions

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

- 11 a Describe the structure and development of B lymphocyte.
OR
b Write a short note on (a) Interferon and (b) Natural killer, cells.
- 12 a. With a neat sketch, describe the structure of immunoglobulin.
OR
*b Differentiate primary immune response from secondary immune response.
- 13 a Highlight any five functions of MMC.
OR
b * Define anaphylaxis and add a note on its causes, mechanism and symptoms.
- 14 a' What is transplantation? Explain its types .
OR : *
* b Write any two diagnostic tests for AIDS.
- 15 a Give an account on biosynthesis of antibody.
OR
Write an account on the principle, mechanism and uses of immunio electrophoresis,

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Explain the structure and functions of thymus.
- 17 * Write a detailed account on antigen - antibody reactions.
- 18 Give an account on immunotherapy for tumour.
- 19 List the immunization schedule for children.
- 20 Throw light on the principle, types and applications of ELISA.