PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

14 MB **0**\^

BSc DEGREE EXAMINATION MAY 2017 *

(Fifth Semester)*

Branch- MICROBIOLOGY

IMMUNOLOGY

Time : Three Hours

A (20 Marks)

Maximum : 75 Marks

<u>SECTION-A (20 Marks)</u> Answer ALL questions

ALL questions carry EQUAL marks

(10x2 = 20)

- 1 Interferon.
- 2 Heterophilic Antigen.
- 3 Natural antibodies.
- 4 Variable domine.
- 5 Asotest.
- 6 Mantoux test.
- 7 CD 38, CD4.
- 8 Regulatory 'T' cell.
- 9 Phacematoid factor.
- 10 Antigenicity.

SECTION - B (25 Marks)

Answer ALL Questions

ALL Questions Carry **EQUAL** Marks (5 x5 = 25)

11 a Discuss briefly on the different types of antibodies and its structure.

OR

- b Give brief account on acquired immunity.
- 12 a What is antigen? Explain about its types and antigenicity.

OR

b What is precipitation? Explain the types with suitable diagram.

13 a Write about secondary immune response.

OR

b Explain the principle and application of complement fixation test.

14 a Discuss in detail about the mechanism of immune response.

OR

b Explain immune complex mediated hyper sensitivity reaction.

15 a Write about common Immunization schedule.

OR

b Briefly explain about cell mediated immunity.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 What are vaccines? Give the properties and types of vaccine.
- 17 Write short notes on autoimmune disease.
- 18 Explain Innate immunity? Write note on alternate pathway.
- 19 Discuss in detail type I and type II hyper sensitivity.
- 20 Discuss about secondary lymphatic organ.

Z-Z-Z

END