

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2019
(Fifth Semester)

Branch **MICROBIOLOGY**

IMMUNOLOGY

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 N. K Cells.
- 2 Innate immunity.
- 3 Hapten.
- 4 Immunogen.
- 5 Attenuation.
- 6 Monoclonal Antibodies.
- 7 Precirpitaitoa.
- 8 ELISA.
- 9 Autograft.
- 10 Autoimmunity.

SECTION - B (25 Marks)

Answer **ALL** Questions

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

- 11 a Differentiate Passive and Active Immunity.
OR
b Write an account on primary and secondary immune responses.
- 12 a Define antigen and explain the types of antigen.
OR
b Explain the structure of antibody.
- 13 a Write about Radial immunodiffusion.
OR
b Explain about immunofluorescence technique.
- 14 a Write a note on application of monoclonal antibodies.
OR
b List out the common Immunization schedule.
- 15 a Explain the mechanism of graft rejection.
OR
b Write about type IV Hypersensitivity.

SECTION - C (30 Marks)

Answer any **THREE** Questions

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

- 16 Explain the mechanism of Innate Immunity.
- 17 Write in detail about the Classical Complement pathway.
- 18 Add a note on the design of vaccines and describe the types of vaccines.
- 19 Explain in detail the principle and procedure of Complement Fixation Test.
- 20 Write an account on Type I Hypersensitivity.