

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018
(Third Semester)

Branch - APPLIED MICROBIOLOGY

IMMUNOTECHNOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

- 1 a Write an account on primary and secondary humoral response.
OR
b Comment on various secondary lymphoid organs.
- 2 a What are monoclonal antibodies? Write on methods of its generation.
OR
b What are antigen antibody reactions. Elaborate on precipitation reaction.
- 3 a Write on classical complement pathway brief on complement deficiency.
OR
b Write on acquired immuno deficiency disorders.
- 4 a Write on characteristics of good vaccines and methods of production.
OR
b Explain the mode of immune response to bacteria and add a note on immune evasion by bacteria.
- 5 a Explain about GVH and HVG.
OR
b Give an account on immune therapy of cancer.

SECTION -B (45 Marks)

Answer any THREE questions

ALL questions carry EQUAL Marks (3 x 15 = 45)

- 6 Wno in detail on the immune barriers of innate immunity.

What A the basis for autoimmunity and discuss on various organ specific auto immune disorders.
- 8 Write in dtail on the principles, type and application of ELISA.
- 9 Write on imr.une based anticancer treatment.
- 10 What is Ant gen presentation and write briefly on MHC class II presentation?