

E.sc Examination March-2017

Semester-VI

Paper name MI-602 Fundamental Immunology
Time 2.30

Paper code: 4644
Total Mark: 70

Instructions: (a) Figure to the right indicates total marks of respective question.
(b) Draw neat, clean and labeled diagram wherever necessary.

- Q.1 Explain:
a) various class of immunoglobulins 07
b) Characteristics that determine antigenicity 07
- OR
- Q.1 Explain:
a) ELISA 07
b) RIA 07
- Q.2 a) Discuss production of monoclonal antibody and its significance 07
b) define hypersensitivity and describe anaphylactic reaction 07
- OR
- Q.2 a) Describe: structure of immunoglobulin 07
b) Explain roll of B and T cell in antigen specificity 07
- Q.3 a) Write note on agglutination with application 07
b) Explain complement fixation test 07
- OR
- Q.3 a) Explain autoimmunity, with any one autoimmune disease 07
b) Write note on properties and biological effect of complement 07
- Q.4 a) Clonal selection theory of antibody production 07
b) Write note on heptens 07
- OR
- Q.4 a) Explain: precipitation reaction 07
b) Describe: Western blotting 07
- Q.5 a) Explain type III hypersensitivity 07
b) Describe: autoimmune disease 07
- OR
- Q.5 a) Explain Immunofluorescence technique 07
b) Complement dependent serological test 07