

M.Sc–Biotech-IIS- (2.3)

2017

Time : 2 hours

Full Marks : 40

The questions are of equal value.

Answer any four questions.

(Molecular Immunology)

1. Give an account of primary and secondary lymphoid organs.
2. Write short notes on the following :
 - (a) Active and passive immune responses
 - (b) T cell subsets and surface markers.
3. Give an account of immunoglobulins and their types.
4. Write short notes on the following :
 - (a) Toll-like receptors
 - (b) Natural killer cells.

5. Describe autoimmune disorders and its molecular mechanism.
6. Write short notes on the following :
 - (a) Reversible and irreversible tolerance
 - (b) Immunomodulations.
7. Describe genetically engineered production of lymphokines.
8. Write short notes on the following :
 - (a) Mechanism of lysis
 - (b) Biotinylation.

(Turn Over)