



ED-632

M.Sc. 3rd Semester
Examination, March-April 2021

ZOOLOGY

Paper - IV

Immunology and Parasitism

Time : Three Hours] [*Maximum Marks* : 80

Note : Answer **all** questions in which Question Number 1 is compulsory. All questions carry equal marks.

1. (a) Interferon
(b) C-Kit
(c) Isotype
(d) Immunoglobulin super family
(e) Full form of BCG and HIV
(f) Precipitin curve
(g) Full form of ELISA and ART
(h) Tumour antigens

DRG_196_(3)

(Turn Over)

(2)

Unit-I

2. Describe the process of 'B-cell activation' in detail.

OR

Write short notes on the following :

- (a) Genetic factors of immunological barriers
- (b) Primary Lymphoid Organs
- (c) Type of 'T Cells'
- (d) Bursa of Fabricius

Unit-II

3. Write an essay on 'Molecular structure of immunoglobulins'.

OR

Write notes on the following :

- (a) Single domain antibodies
- (b) Immunoglobulin A and its types
- (c) Production of monoclonal antibody
- (d) Functions of immunoglobulins

Unit-III

4. Describe 'immunogenicity' in detail.

OR

DRG_196_(3)

(Continued)

(3)

Write notes on any **two** of the following :

- (a) Immunoprophylaxis
- (b) Immunofluorescence
- (c) DNA vaccine

Unit-IV

5. Write notes on the following :

- (a) Immune response against viral infections
- (b) Immunotherapy of cancer

OR

Write notes on the following :

- (a) Cell mediated immune response against cancer
- (b) Immune response to HIV