

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

0	5	5	3
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Exam. Code :

0	0	0	6
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B.A./B.Sc. General 6th Semester

(2054)

ZOOLOGY

**Paper : II Applied Zoology-II Opt. (i) Medical Zoology and
Medical Laboratory Technology-II (ZOO-602A)**

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :— Attempt *five* questions in all, including Question No. I
which is compulsory and selecting *one* question from each
unit.

I. Explain briefly :

- (a) Phagocytosis
- (b) Epitope
- (c) Antitoxins
- (d) Interferons
- (e) ELISA
- (f) Fixative
- (g) Sudan Black B test
- (h) T_H Cells.

8×1=8

UNIT—I

- II. (a) Give an account of structure and immunological functions of lymphoid organs.
(b) Describe the mechanism of cell mediated immune response. 4,3
- III. (a) Explain the physical and chemical properties of Antigen.
(b) State the properties of specific defense mechanism. 4,3

UNIT—II

- IV. (a) Explain in brief methodology of any common Serodiagnostic assay.
(b) Compare and Contrast between various classes of Antibody Molecule. 4,3
- V. Describe the principle of Vaccination. Give the types of Vaccines. 7

UNIT—III

- VI. Explain the following in detail :—
(a) Centrifugation
(b) Spectroscopy. 4,3
- VII. (a) Explain the methods for collection of Venous blood.
(b) List the precautions taken during sample collection. 4,3

UNIT—IV

- VIII. Write short notes on :—
(a) Estimation of Proteins in blood
(b) Gram's Staining. 4,3
- IX. Explain the biochemistry and methodology of Periodic acid Schiff test for the detection of carbohydrates. 7