

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

1	7	5	5	3
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Exam. Code :

0	0	0	6
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**B.A./B.Sc. (General) 6th Semester
(2055)**

ZOOLOGY

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

Time Allowed : Three Hours]

[Maximum Marks : 36

Note :— Attempt **FIVE** questions in all, including Question No. 1 which is compulsory and selecting **ONE** question from each unit.

1. Explain briefly :

- (a) Opsonization
- (b) Epitope
- (c) Antibody
- (d) Romanowsky's stain
- (e) ELISA
- (f) Spectrophotometry
- (g) Scanning Electron Microscopy
- (h) T_k Cells.

8×1

UNIT—I

2. (a) Give an account of Non-specific defense mechanisms.
(b) Describe the mechanism of Humoral immune response.

4,3

3. (a) Explain the physical and chemical properties of Antigen.
(b) State the properties of specific defense mechanism. 4,3

UNIT—II

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

UNIT—III

6. Explain the following in detail :
(a) Colorimetry
(b) Spectroscopy. 4,3
7. (a) Give the merits and demerits of Anticoagulants.
(b) List the precautions taken during sample collection. 4,3

UNIT—IV

8. Write short notes on :
(a) Estimation of Blood Sugar
(b) Feulgen reaction. 4,3
9. Explain the biochemistry and methodology of Sudan black blue test for the detection of lipids. 7