

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9 Sub. Code :

1	7	5	5	3
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Exam. Code :

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B.A. / B.Sc. (General) 6th Semester

(2056)

ZOOLOGY

Paper—II Applied Zoology—II Opt. (i) Medical Zoology & Medical Laboratory Technology -II (ZOO-602A)

Time Allowed : 3 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) Macrophage
- (b) Paratope
- (c) Antigenicity
- (d) AFB stain
- (e) ELISA
- (f) Spectrophotometry
- (g) Electron Microscope
- (h) T_H Cells.

8×1

UNIT—I

2. (a) Give an account of Non-Specific defense mechanisms.
(b) Describe the mechanism of Cell mediated 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) Discuss the structure of typical 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) Autoclaving. 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 urea
(b) PAS test. 4,3
9. Explain the biochemistry and methodology of Sudan black blue test for the detection of lipids. 7