

Exam. Code : 103206

Subject Code : 1419

B.A./B.Sc. Semester—VI

ZOOLOGY

Zoo-VI B opt (i) : Medical Laboratory Technologies

Time Allowed—3 Hours]

[Maximum Marks—35

Note :— Attempt five questions selecting **ONE** question from each unit. Q. 1 is compulsory.

1. Define the following :

(a) Inverted Microscope

(b) DLC

(c) EDTA

(d) Sensitive strain

(e) Feulgen reaction

(f) SGPT

(g) Calorimeter.

1×7=7

UNIT-I

2. (a) Describe different types of hazards faced during laboratory investigations. 4

(b) What precautions should be taken during collecting urine samples ? 3

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(Contd.)

3. Write notes on the following :
- (a) Ultracentrifuge
 - (b) Phase contrast microscope. 3.5×2=7

UNIT-II

4. What is Neubauer chamber ? Describe the process of counting RBCs using it. 7
5. Describe various ways to collect and transport clinical samples. 7

UNIT-III

6. (a) What is the difference in aerobic and anaerobic bacterial culture ? 4
- (b) How sensitivity to antibiotics is measured in bacterial culture ? 3
7. Write notes on the following :
- (a) Kidney function test
 - (b) Estimation of Cholesterol. 3.5×2=7

UNIT-IV

8. Describe the principle and method for periodic acid Schiff reaction and its control. 7
9. Describe principle and method of Sudan black blue stain. 7