

M.Sc.- I (Zoology) (NEP Pattern) Semester-I
NEP-84-4 / 01MSCZO04-4 Major Elective Paper-IV
Medical Laboratory Techniques

P. Pages : 1

Time : Three Hours



GUG/W/24/15149

Max. Marks : 80

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Draw a well labelled diagram wherever necessary.

- 1. Describe the organization and functioning of clinical laboratory. 16**

OR

Write notes on:

- a) Basic laboratory principles.
- b) Code of conduct of medical Laboratory.

- 2. Give an account of electron microscopy. 16**

OR

Write notes on:

- a) Fundamentals of microscopy.
- b) Polyacrylamide Gel electrophoresis.

- 3. Describe in detail the specimen collection, processing and analytical techniques. 16**

OR

Write notes on:

- a) Preparation of blood smear.
- b) Sources of biological variations.

- 4. Describe the preparation of Buffers, Normal, Percent and molar solutions. 16**

OR

Write notes on:-

- a) Modern laboratory set up.
- b) Disposal of biomedical waste.

- 5. Attempt the following. 16**

- a) Safety symbols
- b) Incubator
- c) Collection and preservation of blood.
- d) Laboratory safety protocol.
