

Time: 3 Hours

100 Marks

N.B.

1. All questions are compulsory
2. Figures to the right indicate full marks.
3. Draw neat and labelled diagram wherever necessary.
4. Answer the questions in order.

- Q.1 Answer the following (Any Two) (20)**
- a) Sweat glands and skin receptors
  - b) T.S. of small intestine
  - c) T.S. of liver
- Q.2 Describe the following (Any Two) (20)**
- a) Types of liver injury
  - b) Alternative methods in toxicology
  - c) NOAEL
- Q.3 Explain the following (Any Two) (20)**
- a) Cell injury due to free radical mediated and chemicals
  - b) Melanosis
  - c) Gangrene
- Q.4 Briefly explain the following (Any Two) (20)**
- a) z-test and its significance
  - b) Correlation coefficient and its significance
  - c) Multiplication rule of probability and its applications
- Q.5 Write short notes on: (Any Four) (20)**
- a) Papillary and reticular layers of dermis
  - b) Acceptable Daily Intake (ADI) of dose
  - c) Coagulative necrosis
  - d) Standard error
  - e) Soft tissue – dentinal pulp and periodontal ligaments
  - f) Examples of neurotoxicants