H-55030

M. Sc. (Part-II) Examination
April / May – 2003

Biomedical Technology : Paper - II
(Clinical Biochemistry, Serology & Toxicology)

Time : 3 Hours] [Total Marks : 75

NB: All questions carry equal marks.
All questions are compulsory.
Illustrate your answers with neat diagrams wherever necessary

1. Describe: a) Examination of CSF and amniotic fluid
b) Diabetes mellitus and its investigation

OR

1. Discuss: a) Cardiac Function Tests
b) Diagnostic importance of serum enzymes

2. Give an account of: a) Protein fractions and their role in diagnosis
b) Kidney function tests and their interpretation

OR

2. Give an account of: a) Production of ketone bodies and their tests
b) Estimation and variations of Uric acid

3. Describe: a) Toxicity of Heavy metal exposure
b) Cyanide and sulphate poisoning

OR

3. Describe: a) Tests for Genotoxicity
b) Chronic lung injury

4. Describe: a) Bioactivation and detoxification
b) Plant and animal toxins

OR

4. Describe: a) Contact dermatitis
b) Types and effects of Non-ionizing Radiation

5. Write short notes on any three of the following:
a) Gastric juice analysis
b) Role of Trace elements
c) Asbestosis
d) Examination of seminal fluid
e) Neurotoxicants
f) Isotopes used in Biomedicine

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