

H-55030

Seat No. _____

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