

N-55043

Seat No. _____

M. Sc. (Part-I) Examination

April / May – 2003

Biochemistry : Paper-III

(Human Physiology & Clinical Biochemistry)

Time : 3 Hours]

[Total Marks : 100

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

1. Describe: a). Ultrastructure of skeletal muscle
b). Muscle contraction

OR

1. Describe: a). Nephrotoxicity
b). Control of digestive secretions
2. Describe: a). CO - poisoning
b). Atherosclerosis

OR

2. Describe: a). Cardiac cycle
b). Factors controlling transport of respiratory gases
3. Give an account on: a). Blood coagulation
b). Neurotransmitters

OR

3. Write an account on: a). Kidney function tests
b). Lymph node and spleen
4. Describe: a). RIA and its applications
b). Gonads

OR

4. Describe: a). C – 21 Steroidogenesis
b). Lymphocytes
5. Write short notes on **Any three** of the following:
 - a). Thyroid gland
 - b). Neuron
 - c). Sperm function tests
 - d). Feed back mechanism
 - e). Liver function tests
 - f). Pancreatitis

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[150]