

5556062

Seat No. _____

M. Sc. (Part - II) Examination

April / May – 2003

Biomedical Technology : Paper - IV

(Clinical Pathology, Immunology & Microbiology)

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). Rheumatic heart disease
b). Diarrhoea and dysentery. Distinguish between amoebic and bacillary dysentery.

OR

1. Write a detailed account on viral hepatitis.
2. Describe: a). Urinary tract infections
b). Cirrhosis of liver

OR

2. Write an account on: a). Investigations in female infertility
b). Inducers and inhibitors of apoptosis
3. Explain: a). General principles of Bacterial classification
b). Procedure and preparation of media for isolation of Pathogens

OR

3. Describe: a). Various groups of Bacteria on the basis of their requirements for temperature and substrate
b). Factors responsible for virulence of Pathogens
4. Give an account of: a). Immune response
b). Role of cytokines during haematopoiesis

OR

4. Give an account of: a). Pluripotent stem cells and their applications
b). Type I and Type II hypersensitivity reactions
5. Write short notes on **Any three** of the following:

- a). Lobar pneumonia
- b). Role of Thymus in T-cell maturation
- c). Immunoglobulins
- d). Macrophages
- e). Normal flora of the body
- f). MIC and its importance

5556062]

[150]