

III B.Tech I Semester Supplementary Examinations, November 2006
BASIC CLINICAL SCIENCES-II
(Bio-Medical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Give an account of any four tests done in a pathology lab. [16]
2. (a) Explain about pre operating procedures for a patient. [8]
(b) Discuss in detail different types of anesthesia administered to the patients? [8]
3. (a) Discuss in detail the technique of impedance plethysmography? [8]
(b) Write about the equipment used in CSSD? [8]
4. Explain in detail various modes of cancer therapy. [16]
5. Write short notes on:
 - (a) LD-50 [5]
 - (b) Cataract [5]
 - (c) Embryo late effects. [6]
6. (a) Enumerate the maximum permissible doses for the staff in radiation departments? [8]
(b) Describe the protection taken to overcome radiation hazards?. [8]
7. (a) Explain how Nuclear Medicine is useful in the imaging of CNS? [8]
(b) Explain the instrumentation used for imaging pancreas and liver? [8]
8. (a) Discuss the use of Radio-isotopes in medicine? [8]
(b) Explain the features of Radioisotopes used for scanning of liver? [8]
