

III B.Tech II Semester Supplementary Examinations, April/May 2005
BASIC CLINICAL SCIENCES-II
(Bio-Medical Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE Questions
All Questions carry equal marks

1. Mention the Indications for replacement of Joints.
2. (a) Mention the Screening tests done for Blood Donor.
(b) Write about Role of Blood Banks in Prevention of spread of AIDS.
(c) What are Blood Transfusions reactions?
3. (a) Explain monitoring of pulse, B.P, Respiration, E.C.G, of patient during surgery
(b) Write a note on Basic Anaesthesia machine (Boyles apparatus).
(c) Write note on Plethysmography.
4. (a) Describe the Pre-anaesthetic preparation of patients.
(b) Explain the Postoperative respiratory care after general anaesthesia.
5. (a) Describe a cell survival theory.
(b) Describe Therapeutic ratio.
(c) How do the Physical, chemical and Biomedical parameters modify the radiation response.
6. Explain the radiation Protection measures against radiation hazards.
7. Mention the maximum permissible doses in radio therapeutic applications.
8. Write a note on Vascular Doppler study.
