

III B.Tech I Semester Supplementary Examinations, November 2005
BASIC CLINICAL SCIENCES-II
(Bio-Medical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What is reduction? Distinguish between open and closed reduction? [8]
(b) Explain the significance of Rh factor? [8]
2. (a) Explain the pre-anesthetic care and preparation undertaken in a hospital. Why it is important? Explain. [8]
(b) How the patients are monitored during surgery? Explain. [8]
3. (a) Explain the functioning uses of pulse oximeter? [8]
(b) write a note on ventilators. [8]
4. (a) Write about significance of therapeutic ratio ? [8]
(b) Explain briefly Cell Survival Theory ? [8]
5. (a) Explain the modification of radiation response by different modifiers ? [8]
(b) Discuss the possible risks due to over exposure to radiation? [8]
6. (a) Describe the protective measure taken against radiation ? [10]
(b) What are the units of measuring radiation what are the permissible limits ? [6]
7. (a) Explain the imaging procedures used to study the human respiratory system? [10]
(b) Write a note on Body spaces? [6]
8. (a) Describe briefly the determination of distribution of radioactive material within the body? [8]
(b) Write a note on Malignant pleural effusion and ascites? [8]
