

2005 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

III B.TECH I SEMESTER SUPPLEMENTARY EXAMINATIONS
BASIC CLINICAL SCIENCE - II
(BIO -MEDICAL ENGINEERING)

NOVEMBER 2005

TIME - 3 HOUR
MARK - 80


Answer any FIVE Questions
All Questions carry equal marks

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