

III B.Tech II Semester Supplementary Examinations, April/May 2005
COMPUTERS IN MEDICINE
(Bio-Medical Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Explain the use of computers in medical field.
(b) Explain the term hospital information system.
2. (a) Explain the analysis of ECG using computers.
(b) Describe the term computerized cytology.
3. (a) Explain the terms:
 - i. QMR
 - ii. TIA
(b) Explain the basics of computer assisted medical imaging.
4. (a) Explain the use of computers in:
 - i. ICU
 - ii. Renal disorders
(b) Describe the use of computers in pulmonary function evaluation.
5. (a) With an example explain how handicapped person is helped by a computer.
(b) Write a note on ISDN in medicine.
6. Describe the terms:
 - (a) Chromosome analysis
 - (b) ECG analysis
7. Explain the terms:
 - (a) Cardiovascular evaluation
 - (b) Data acquisition.
8. Write short notes on:
 - (a) EMG
 - (b) Medical records
 - (c) KES.
