

III B.Tech II Semester Supplementary Examinations, April/May 2005
BIO MEDICAL SIGNAL PROCESSING
(Bio-Medical Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Define redundancy. Explain the types of redundant data.
2. Compare the turning point and AZTEC algorithms of data compression.
3. Describe Rhythm analysis.
4. Correlate the ECG signal with conduction system of heart.
5. Explain the significance of Automatic gain control in enhancing ECG signal from noise of ESU.
6. Explain how least squares pronys method overcomes the problem of non-linearity of original pronys method.
7. Draw and explain the block diagram of correlation canceller for third order predictor filter
8. Give the typical sketch of EEG signals and explain how alpha, beta and gamma waves are detected.
