

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

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. Write short notes on [16]
 - (a) Turning point algorithm
 - (b) Data acquisition
2. Write the different biomedical signals with their frequency range and signal range. [16]
3. Write short notes on [16]
 - (a) Full Compensatory pause
 - (b) Premature ventricular contraction.
 - (c) Skipped beat.
4. Develop an algorithm that obtains the fiducial points on ECG signal. [16]
5. Mention the applications of ANC in Biomedical signals. Explain any one. [16]
6. Mention the applications of prony's method. Explain how the evoked potentials are evaluated. [16]
7. What are the disadvantages of YW equations of linear prediction code? Explain how it is eliminated by stochastic approximation of YW equations. [16]
8. Define EEG. Name and explain different types of EEG waves. [16]
