

III B.Tech I Semester Supplementary Examinations, April/May 2005

BASIC CLINICAL SCIENCES-I

(Bio-Medical Engineering)

Time: 3 hours

Max Marks: 70

Answer any FIVE Questions
All Questions carry equal marks

1. What is dialysis? Explain the principle of artificial kidney.
2. Write short notes on:
 - (a) diseases of nervous system
 - (b) diseases of muscle.
3. Describe neuro-muscular transmission and its disorders.
4. Explain the operation of Heart-Lung machine with a neat sketch.
5.
 - (a) Interpretate an ECG waveform.
 - (b) Differentiate between temporary and permanent pacing.
6. Discuss about cardiac assist devices and treadmill.
7.
 - (a) Mention few surgical equipments.
 - (b) Define Laproscopy and explain.
8. List out the clinical significant symptoms of GI tract. How one can estimate the height and weight of an individual?
