

33085- BIO-MEDICAL INSTRUMENTATION PRACTICAL

DETAILED SYLLABUS

List of Experiments

1. Construction and Testing of Differential amplifier.
2. Construction and Testing of Instrumentation amplifier.
3. Measurement of pH of given solution.
4. Measurement of Blood pressure.
5. Measurement of ECG waveform.
6. Construction and verification of pacemaker circuit.
7. Construction and testing of high gain amplifier.
8. Measurement of Body and Skin temperature.
9. Study, handle and use the following Instruments/Equipments:
 - a) Cardiac monitor.
 - b) Vascular probe with vasoline monitor.
 - c) ECG stimulator.
 - d) Muscle stimulator.
 - e) Vectorodyne electrotherapy equipment.
 - f) Vascular Doppler recorder.
 - g) Pressure plethysmograph. h. Skin sympathetic response meter.