

- a) Linear variable differential transformer
 - b) Linear varying differential transformer
 - c) Linear variable differential transistor
 - d) Linear variable differential transformer
- Q.6 What is the normal pulse rate of Human being?
- a) 20-40 b) 60-100
 - c) 100-150 d) Above 150
- Q.7 What is the typical range of EMG signals?
- a) 0.025 to 0.050 mv b) 0.050 to 0.1 mV
 - c) 0.1 to 0.5 mv d) 0.5 to 1 mv
- Q.8 The amplitude of EMG signals depend upon which of the following factor?
- a) Respiration b) Position of electrode
 - c) Blood Resistivity d) Ventricular Volume
- Q.9 What is the standard number of electrodes used in ECG diagnostic test?
- a) 6-8 b) 8-10
 - c) 12-15 d) None of the above
- Q.10 What is the frequency range of ECG machine?
- a) 5 to 20 Hz b) 0.05 to 120 Hz
 - c) 120-200 Hz d) 200-500 Hz

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 What is a cell?
- Q.12 What is the full form of ECG?

- Q.13 Name any two therapeutic equipment?
- Q.14 What is the frequency range of EEG machine?
- Q.15 Define Bio-Electric signal.
- Q.16 What is the full form of MRI?
- Q.17 What is the signal amplitude of EMG?
- Q.18 What is defibrillation?
- Q.19 What is a gross shock?
- Q.20 What do you mean by transducer?

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 What is the purpose of defibrillator?
- Q.22 Distinguish between clinical laboratory equipment differ from diagnostic equipment.
- Q.23 Explain the methods to measure temperature of the body.
- Q.24 Draw and explain block diagram of respiration rate monitor.
- Q.25 Draw and explain structure of the human cell.
- Q.26 Define and classify medical equipment's?
- Q.27 What are the applications of EEG machine?
- Q.28 Write a short note on Haemodialysis.
- Q.29 What are special design from safety consideration?
- Q.30 Describe central nervous system in brief.
- Q.31 What are electric current shock hazards? Explain in brief.