Q1. Explain the following terms: i) DFMC ii) NST iii) CST iv) USG.

Q2. Discuss the working principle and significance of pulse oximeter.

Q.3. Draw the structure of heart.

Q4. List electrodes used for i) ECG ii) EMG (2).

Q5. Which body parts are detected by: i) ECG ii) EMG iii) EOG iv) EEG v) oximeter.

Q.6. What do you mean by synapse? List the three types of synapse in our body.

Q.7. Discuss the role of IPSP and EPSP in post synaptic transmission of action potential.

Q.8. Discuss the process of generation and propagation of action potential across neuronal membrane.

Q.9. Explain diagrammatically the process of synaptic transfer from presynaptic membrane to postsynaptic membrane.

Q.10. What are bioelectrodes. List properties and applications of bioelectrode.

Q.11. Discuss about the different types of electrodes used for i) ECG ii) EEG iii) EMG.

Q.12. Discuss about the working and significance of pulse oximeter.

Q.13. Discuss about the different fetal monitoring techniques and instruments and list their significance.

Q.14. Name the type of synapse formed between axon and dendrite.

Q.15. List the values of membrane potential during: i) Resting Membrane Potential

ii) Action Potential (2) Threshold membrane potential

Q.16. What do you mean by IPSP and EPSP.

Q.17. What are surface electrodes?