

B.Sc. - I (NEP) Semester-I
SEC12 - Zoology Paper-V - Clinical Instrumentation Techniques-I

P. Pages : 1

Time : Two Hours



GUG/S/25/15900

Max. Marks : 40

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- Notes :
1. All questions are compulsory.
 2. All questions carry equal marks.
 3. Illustrate your answers with diagrams wherever necessary.

1. Give details accounts on ECG. 8

OR

Write notes on:

- i) BP instrumentation.
- ii) EMG instrumentation.

2. Give details accounts on working application of EMG-Electro-myograph. 8

OR

Write notes on:

- i) Phono cardiograph.
- ii) EEG read out devices.

3. Give details accounts on Fundamentals of X-ray machine. 8

OR

Write notes on:

- i) CT-scan machine.
- ii) Colour Doppler machine.

4. Give an illustrated accounts on types of blood test. 8

OR

Write notes on:

- i) Hemo-dialysis
- ii) Muscles stimulators.

5. Write 4 to 5 lines on the following. 8

- i) EEG
- ii) Bipolar leads.
- iii) Electro surgery machine.
- iv) Blood cell counter.
