



- Q.6 Pasteurization is
- a few spring bacteria get killed by pasteurization
  - milk is heated to 70°C & held for 30 minutes
  - milk is rapidly cooled to 0°C
  - it is done for checking milk born infection
- Q.7 Which are not a common microwave application
- Telephone
  - Radar
  - Mobile radio
  - Satellite communications
- Q.8 Human heart have
- one chamber
  - two chamber
  - three chamber
  - four chamber
- Q.9 Which laser is used in light detection and ranging
- Ruby laser
  - He-Ne laser
  - Co<sub>2</sub> Laser
  - Semisolid laser
- Q.10 Which can be side effect of hemodialysis
- Nausea
  - Weakness
  - Cramp
  - All of these

### SECTION-B

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

- Q.11 Draw Waveform of ECG.
- Q.12 Name instruments which are used in Surgical Diathermy.
- Q.13 Expand CSSD.

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- Q.14 What are Cardiac Pacemaker?
- Q.15 What are Lower Energy State?
- Q.16 Expand LASER.
- Q.17 What are Photon?
- Q.18 Full form of SWD.
- Q.19 Expand CSSD.
- Q.20 What are Microwave?

### SECTION-C

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

- Q.21 What are stimulator? Explain TENS stimulator.
- Q.22 Describe safety aspect in electrosurgical unit.
- Q.23 What are cardiac pacemaker? Explain type of cardiac pacemaker.
- Q.24 What are Laser? Explain its working principle.
- Q.25 Define Microwave diathermy. Explain the production of microwave.
- Q.26 Explain Inductive plate method application of short wave diathermy.
- Q.27 What are laser? Describe different type of laser.
- Q.28 Define therapeutic instrument. Explain blood chemistry analyzer.
- Q.29 What are sterilization? Explain different type of sterilization.
- Q.30 What are Nephron? Draw diagram & explain its physiological working.

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