

- Q.26 What are Microwave Diathermy. Explain circuit diagram of microwave diathermy
- Q.27 Write short note on Di-Pulse therapy
- Q.28 What are Stimulator. Explain Magnetic stimulator.
- Q.29 Explain working principle of surgical diathermy unit with block diagram.
- Q.30 Explain working principle of Autoclave.
- Q.31 Explain the production of microwave.
- Q.32 What are Autoclave. Explain use of Autoclave
- Q.33 What are bladder stimulator. How it help in removing the pain from body.
- Q.34 Explain the circuit description of Shortwave Diathermy
- Q.35 Write short note Heat therapy

#### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 What are Electro therapy. Draw diagram of different waveform
- Q.37 Write a Note on the following.
- Capacitor plate method application of SWD.
  - Ultrasonic Therapy Unit.
- Q.38 Draw and explain working principle of surgical diathermy analyses with block diagram.

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**4th Sem / Med. Eltx**

**Subject:- Physiotherapy and Operation Theatre Equipment**

Time : 3Hrs.

M.M. : 100

#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The correct full form of CRO is
- Common ray oscilloscope
  - Common ray oscillator
  - Cathode ray oscillator
  - All of these
- Q.2 Autoclaves are used in the medical application to perform\_\_\_\_\_
- Vulcanization
  - Sterilization
  - Heating
  - Cleaning
- Q.3 Diathermy is used for treat to
- Arthritis
  - Back pain
  - Muscles spasm
  - All of these
- Q.4 Which are not a common microwave application
- Telephone
  - Radar
  - Mobile radio
  - Satellite communications

- Q.5 For what all purposes is diathermy principle used?
- Surgical and Therapeutic
  - Therapeutic and Diagnostic
  - Diagnostic and surgical
  - Diagnostic and rehabilitative
- Q.6 Waste autoclaves process waste in
- batches
  - continuous-flow
  - Both A and B
  - None of the above
- Q.7 The autoclave process gives a \_\_\_\_\_ pathogen and virus kill rate.
- high
  - very high
  - low
  - very low
- Q.8 The frequency of Microwave wave diathermy is
- 2450 Mhz
  - 27.12 Mhz
  - both A & B
  - None of these
- Q.9 The pressure chamber which are used to carryout process at high Temp. & pressure
- Over
  - Micro clave
  - Autoclave
  - None
- Q.10 Needle electrode is used to measure
- EKG
  - EMG
  - EOG
  - ECG

## SECTION-B

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

- Q.11 What are Attenuation .
- Q.12 Define Electric Stimulator.
- Q.13 Use of Microwave Diathermy.
- Q.14 Draw Square Waveform.
- Q.15 What are pulse.
- Q.16 What are Magnetron.
- Q.17 Define Coagulation.
- Q.18 Full form of CCTV.
- Q.19 What are Stimulator.
- Q.20 Name two Surgical Instruments.

## SECTION-C

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

- Q.21 What are Short wave diathermy. Explain Short wave Diathermy technique.
- Q.22 Explain different type of electrode used in Electro surgical diathermy.
- Q.23 What are the advantages of high frequency energy thermo therapy
- Q.24 Explain the transcutaneous electric nervestimulator.
- Q.25 What are Electrotherapy. Explain Faradic current wave form.