

- 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

 - a) Common ray oscilloscope
 - b) Common ray oscillator
 - c) Cathode ray oscillator
 - d) All of these

Q.2 Autoclaves are used in the medical application to perform _____

 - a) Vulcanization
 - b) Sterilization
 - c) Heating
 - d) Cleaning

Q.3 Diathermy is used for treat to

 - a) Arthritis
 - b) Back pain
 - c) Muscles spasm
 - d) All of these

Q.4 Which are not a common microwave application

 - a) Telephone
 - b) Radar
 - c) Mobile radio
 - d) Satellite communications

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