Ri V.C. BP 06/33/38

> BACHELOR OF PHYSIOTHERAPY THIRD SEMESTER ELECTROTHERAPY II

BPT - 302[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

(Objective)

Time: 30 min.

Marks: 20

Full Marks: 70

2023/12

SET

1×20=20

1. In UVR, Antibiotic effect is due to stimulation of

Choose the correct answer from the following:

a Epitheliolial system

b. melanocytes

c. Reticuloendothelial system

d. Mi

2. The percentage of aquasonic gel transmissivity

a. 71%

b. 72%

c. 73%

d. 74%

3. Pen electrode is used in this device

a. Ultrasound

b. IFT

c. Repox

d. Russian

4. The term that defines the line "Laser rays has single colour; is

a. Monochromoticity

b. Collination

c. Coherence

d. All

5. Damage to cells causes release of histamine like substance from epidermis and superficial dermis resulting:

a. Exthema

b. Carcinogenesis

c. Pigmentation

d. Desquamation

6. Hourescept tubes are

a. 100cm

b. 110cm

c. 120cm

d. 130cm

7. The property by which depth of Ultrasound is reduced to half distance is called

a. Full value distance

b. Half value distance

c. Scattering

d. Attenuation

The distance of scanning method of direct contact in laser

a. C Smin

b. 5-10mm

i. 10-15mm

d. 15-20mm

Care:: frequency of Russian current is

a. 2 (3)

b. 3000

C. Indi

d. 4000

			Rebox currents was given in a. 1950 c. 1970	b. 1960 d. 1980
		11.	Electromagnetic waves of Infrared Radiation a. 750-60000nm c. 750-500000nm	
		12.	The other name of applicator in microwave a. Emitter c. All	diathremy b. Amitter d. Al:
			What is the other name of burns caused by a. Gangrene c. Erythema	moist heat b. Burns d. Scalds
			The part of laser component which is used t a. Lasing medium c. Flashgun	o excite electrons is called b. Resonating chamber d. All
	· ·	15.	High pressure mercury vapour lamp is a. W shaped c. Y shaped	b. X shapedd. Z shaped
		16.	A material which can withstand repeated be a. Fireclay c. Tungsten	eating and cooling is- b. Porcelain d. All
		17.	Diode laser have a wavelength of a. 902nm c. 904nm	b. 903nm d. 905nm
		18.	Water cooled mecury vapour lamp is a. Ultraviolet radiation c. Laser	b. Kroyamer kampd. Tridymite formation
		19.	Which of the following is also called burst a a. Russian currents c. Ultrasound	lternating currents? b. Rebox currents d. IF f
			Who gave the statement that any chemical c decelerated with temperature a. Scientist rebox c. Scientist Russian	hange is capable of being accelerated of b. Vant hoff d. All

LAIMCOFFEE

2

Descriptive

Time: 2 hrs 30 min Marks: 50 [Answer question no.1 & any four (4) from the rest] 10 1. What is Short Wave diathermy? Write about the different placement of electrodes in SWD? Mention any two dangers of short wave diathermy? 2. What is electromagnetic spectrum? How many types of 10 Infrared radiation are present? Write about luminous generators? 10 3. What is microwave diathermy? Write about the production of microwave diathermy? 4. What is laser? Write about the production of LASER? 10 Write about techniques of application of laser 10 5. Whatis tridymite formation? What is theraktin tunnel? Also mention how fluorescent tubes work in UVR? 6. Define ultrasound? What is phonophoresis? Write about how 10 phonophoresis work? Mention any four contraindications of ultrasound explaining why it is contraindicated. 10 7. What is IFT? What is accommodation? Write about the different physiological effets of IFT. 10 8. What is rebox current? Write about the different indications of rebox current in details? Draw the diagram of a rebox machine.