

**BACHELOR OF PHYSIOTHERAPY
THIRD SEMESTER
ELECTROTHERAPY-II
BPT-302(REPEAT)**
[USE OMR SHEET FOR OBJECTIVE PART]

**SET
A**

Duration: 3 hrs.

Full Marks: 70

(Objective)

Time: 30 mins.

Marks: 20

Choose the correct answer from the following:

1×20=20

- The infrared radiations are electromagnetic waves with wavelengths of
 - 650-300000nm
 - 550-300000nm
 - 750-400000nm
 - 850-400000nm
- Laser light has single colour
 - Monochromaticity
 - Coherence
 - Collimation
 - All
- Distance of scanning method in Laser is
 - 0-5mm
 - 5-10mm
 - 10-15mm
 - 15-20mm
- Magnetron is a classical feature
 - Microwave diathermy
 - Short wave diathermy
 - Laser
 - Infrared Radiation
- Hydrocortisone is used in
 - IFT
 - Russian currents
 - Phonophoresis
 - Rebox currents
- Russian current was developed in the year
 - 1960
 - 1970
 - 1950
 - 1977
- Frequency of Russian current is
 - 1000Hz
 - 2500hz
 - 3000Hz
 - 3500Hz
- The following modality follows Vant Hoff statement
 - Short wave diathermy
 - Ultrasound
 - Ultraviolet Radiation
 - Microwave Diathermy
- Quartz can send to another form of crystal
 - Kromayer Lamp
 - Flourescent tubes
 - Silica
 - Tridimyte
- Flourescent tubes consists of
 - 280-400nm
 - 300-400nm
 - 500-700nm
 - 200-700nm

11. Aging can occur because of the following equipments
 - a. IFT
 - b. IRR
 - c. UVR
 - d. US
12. The latent period of E₂ dose
 - a. 4-6
 - b. 6-8
 - c. 8-10
 - d. 9-11
13. Pen electrode is used in following modalities
 - a. Russian Current
 - b. Ultrasound
 - c. Rebox current
 - d. Infrared Radiation
14. Two medium frequency currents produce low frequency effects called
 - a. Ultrasound
 - b. IFT
 - c. IRR
 - d. SWD
15. Non luminous generator
 - a. 4mm
 - b. 5mm
 - c. 8mm
 - d. 9mm
16. Placebo effect is
 - a. Physical Pain
 - b. Both
 - c. Psychological effect
 - d. None
17. Sensory nerve fibres is
 - a. Moderate prickling sensation
 - b. Tetanic contraction
 - c. None of above
 - d. All of above
18. Career frequency of Russian current is
 - a. 2500Hz
 - b. 3000Hz
 - c. 1500Hz
 - d. 4000Hz
19. Principles of IFT was discovered by
 - a. Ho Nemec
 - b. Thomas Edison
 - c. Lewis Hunting
 - d. None
20. Rebox Currents was given in
 - a. 1960
 - b. 1970
 - c. 1980
 - d. 1950

(Descriptive)

Time : 2 hrs. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. What is ultrasound. Write the production of Ultrasound. 10
2. What is MWD? Write the physiological and Therapeutic effects of MWD. 10
3. What is SWD? Write the different electrode positioning of SWD? 10
4. What is IFT? Write the physiological effects of IFT? 10
5. What is the full form of LASER? Write about the production of LASER in details. With diagrams 10
6. Explain rebox currents. Write indications and contraindications 10
7. What is IRR? Write about luminous generators? 10
8. What is phonophoresis? Write about the drugs of phonophoresis? What are the effects of Phonophoresis. 10

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