

**BACHELOR OF PHYSIOTHERAPY
THIRD SEMESTER
ELECTROTHERAPY-II
BPT-302**

**SET
C**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

1×20=20

Choose the correct answer from the following:

1. Pen electrode is used in following modalities
 - a. Russian Current
 - b. Ultrasound
 - c. Rebox current
 - d. Infrared Radiation
2. Fluorescent tubes consists of
 - a. 280-400nm
 - b. 300-400nm
 - c. 500-700nm
 - d. 200-700nm
3. Frequency of Russian current is
 - a. 1000Hz
 - b. 2500hz
 - c. 3000Hz
 - d. 3500Hz
4. Rebox Currents was given in
 - a. 1960
 - b. 1970
 - c. 1980
 - d. 1950
5. Non luminous generator
 - a. 4mm
 - b. 5mm
 - c. 8mm
 - d. 9mm
6. Placebo effect is
 - a. Physical Pain
 - b. Both
 - c. Psychological effect
 - d. None
7. The latent period of E₂ dose
 - a. 4-6
 - b. 6-8
 - c. 8-10
 - d. 9-11
8. Laser light has single colour
 - a. Monochromaticity
 - b. Coherence
 - c. Collimation
 - d. All
9. Sensory nerve fibres is
 - a. Moderate prickling sensation
 - b. Tetanic contraction
 - c. None of above
 - d. All of above
10. Hydrocortisone is used in
 - a. IFT
 - b. Russian currents
 - c. Phonophoresis
 - d. Rebox currents

11. Two medium frequency currents produce low frequency effects called
 - a. Ultrasound
 - b. IFT
 - c. IRR
 - d. SWD
12. The infrared radiations are electromagnetic waves with wavelengths of
 - a. 650-300000nm
 - b. 550-300000nm
 - c. 750-400000nm
 - d. 850-400000nm
13. Distance of scanning method in Laser is
 - a. 0-5mm
 - b. 5-10mm
 - c. 10-15mm
 - d. 15-20mm
14. Russian current was developed in the year
 - a. 1960
 - b. 1970
 - c. 1950
 - d. 1977
15. Quartz can send to another form of crystal
 - a. Kromayer Lamp
 - b. Flourescent tubes
 - c. Silica
 - d. Tridimyte
16. Magnetron is a classical feature
 - a. Microwave diathermy
 - b. Short wave diathermy
 - c. Laser
 - d. Infrared Radaiation
17. Career frequency of Russian current is
 - a. 2500Hz
 - b. 3000Hz
 - c. 1500Hz
 - d. 4000Hz
18. Aging can occur because of the following equipments
 - a. IFT
 - b. IRR
 - c. UVR
 - d. US
19. Principles of IFT was discovered by
 - a. Ho Nemeç
 - b. Thomas Edison
 - c. Lewis Hunting
 - d. None
20. The following modalidy follows Vant Hoff statement
 - a. Short wave diathermy
 - b. Ultrasound
 - c. Ultraviolet Radiation
 - d. Microwave Diathermy

(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 |

== ** ==