

Sr.No.8212

Exam Code: 106702
Sub. Code : 001031

Bachelor of Physiotherapy - 2nd Year (B.P.T.)
(Old Syllabus) (Batch 2023-27)
(2225)

Paper-III : Electrotherapy-II

Time allowed: 3 hrs.

Max. Marks: 100

NOTE: Candidates must attempt five questions, selecting one question from each section, each carries 20 marks: fifth question may be attempted from any section

Section-A

- Q1 Discuss facial stimulation and motor points with diagram? Classify nerve injuries? 20
- Q2 Discuss physiological responses of heat gain or loss on various tissues of the body? 20

Section-B

- Q3 Explain thermal and nonthermal effects of ultrasound? 20
- Q4 Explain IFT indications and contraindications explain pattern and working? 20

Section-C

- Q5 Define LASER and its types, properties, principles, production and application? 20
- Q6 What are the methods of application of Cryotherapy? Write a short note on ICT? 20

Section-D

- Q7 Explain Bio-feedback, principles, indications, contraindications, limitations and precautions? 20
- Q8 Write clinical uses of EMG? 20

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Sr.No.7963

Exam Code: 106702
Subject Code : 1031

Bachelor in Physiotherapy - 2nd Year (B.P.T.) (Batch 2022-26)
(2524)

Paper-III: Electrotherapy-II

Time Allowed: 3 hrs.

Max. Marks: 100

Note :Candidate must attempt five questions from each section, each question carries 20 marks.
The Fifth question may be attempted from any section.

Section - I

- Q1 Explain physiological responses to heat gain or loss on various tissues of the body?
Q2 Write effects of electrical stimulation and method of treatment in facial nerve stimulation ?

Section - II

- Q3 What are the thermal and non thermal effects of high frequency sound waves ,explain indications Production of waves?
Q4 Write a short note on IFT, Indication and contraindications and patient preparation ?

Section - III

- Q5 Describe LASER ,Physical principles dosage parameters,effects ,types of laser & precautions ,Contraindications?
Q6 What are the various methods of application of Cryotherapy explain therapeutics effects ?

Section - IV

- Q7 How Biofeedback is effective in physiotherapy rehabilitation, write down principles, effects ,uses & limitations ?
Q8 Explain types of EMG? Components of emg ?clinical implications related to it?

Interferential
Therapy
modist answer

Good
answer
method
answer

Principle
substitution

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EEG
EEG

Sr.No.7963

Exam Code: 106702

Subject Code : 1031

**Bachelor in Physiotherapy - 2nd Year (B.P.T.) (Batch 2021-25)
(2523)**

Paper-III : Electrotherapy-II

Time allowed: 3 hrs.

Max. Marks: 100

Note: There are **EIGHT** questions of equal marks. Candidates are required to attempt **FIVE** questions, selecting at least **ONE** question from each section. The **FIFTH** question may be attempted from any section.

SECTION-A

1. Discuss in detail about the following:
 - a) Therapeutic effects of Heat and Cold.
 - b) Physical principles of Electromagnetic radiation
2. Write about the following:
 - a) Mechanism of heat loss and its effects on various tissues of the body.
 - b) Characteristics and properties of sound waves.

SECTION-B

3. Explain the production, techniques of application, indications, contraindications and precautions of Interferential Therapy in detail.
4. Write in detail about the thermal and non-thermal effects of Ultrasound therapy. Add a note on Phonophoresis.

SECTION-C

5. What is Lewis hunting reaction? Explain the techniques of application in Cryotherapy in detail.
6. Write in detail about the classification, types, properties, production, techniques of application and dosage parameters of LASER therapy.

SECTION-D

7. Explain the following in detail:
 - a) EMG biofeedback unit
 - b) Nerve Conduction Velocity tests
8. Write about the following:
 - a) EMG instrumentation and EMG recording techniques.
 - b) Role of biofeedback in physiotherapy.

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2025-0147346

Sr.No.8015

Exam Code: 106702
Subject Code : 001031

**Bachelor in Physiotherapy – 2nd Year (B.P.T.) (Batch 2023-27)
(2525)**

Paper-III: Electrotherapy-II

Time allowed: 3 hrs.

Max. Marks: 100

NOTE: Candidates must attempt five questions, selecting one question from each section, each carries 20 marks: fifth question may be attempted from any section.

Section-A

- Q1 Discuss physiological responses of heat gain or loss on various tissues of the body? 20
- Q2 What are the effects of electrical stimulation, Discuss facial stimulation and motor points. 20

Section-B

- Q3 Describe High frequency sound waves and explain thermal and non thermal effects in detail? 20
- Q4 What are the medium frequency currents & write down techniques of application, indications and contraindications related to it? 20

Section-C

- Q5 Define LASER and its types, properties, principles, production and application? 20
- Q6 Write a short note on a) Cryotherapy b) Shockwave therapy? 20

Section-D

- Q7 Explain Bio-feedback, principles, indications , contraindications, limitations and precautions? 20
- Q8 Write down the Electrodiagnosis modalities EMG and ENG ? 20

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