

# School of Medical and Allied Sciences

Physiotherapy  
ETE - Jun 2023

Time : 3 Hours

Marks : 100

**Sem IV - BHPT4002 / BPHY4003**

**Electrotherapy LMHF and Equipment Care**

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

1. What are low frequency currents in physiotherapy and how are they utilized in therapeutic interventions? K1 CO1 (5)
2. Outline about biofeedback. K2 CO2 (5)
3. Define the physiological mechanisms through which TENS provides pain relief in patients. K1 CO1 (5)
4. Identify the types of electrode, method of application and dosage of IFT. K3 CO3 (10)
5. Explain the anatomy of nerve and basic principles of nerve conduction study. K2 CO2 (10)
6. List application methods and indications of cryotherapy. K4 CO5 (10)

**OR**

- Analyze the techniques of application of Wax bath. K4 CO5 (10)
7. Identify Indications, Contraindications and Dangers of SWD. K3 CO4 (10)
  8. Explain whirlpool bath therapy, and its application techniques, therapeutic effects, and indications for use in various musculoskeletal and neurological conditions. K5 CO5 (15)

**OR**

- Explain the Therapeutic Uses, indication & Contraindications of Cryotherapy. K5 CO5 (15)
9. Analyze the role of physical therapy in the management of osteoarthritic knee, and what electrotherapy modalities have been shown to be most effective in reducing pain and improving function. K4 CO3 (15)
  10. Explain the different deep heating modalities commonly used in physiotherapy. K5 CO4 (15)