

Master of Physiotherapy Examination  
Basic Science in  
Physiotherapy in Orthopedics

[Max. Marks : 100]

Date : 03-06-2022, Friday]

Time : 3 Hours]

Instructions : (1) Figure to the right indicate marks.

- (2) Write legibly.
- (3) Draw diagrams wherever necessary.
- (4) All questions are compulsory.

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1. Write an assay on biomechanical and ergonomic considerations for middle aged, secondary school teacher (Irrespective of gender)

(20 marks)

2. Write an essay on recent advances in Electrotherapeutics in management of pain.

(20 marks)

3. Discuss the acute as well as chronic effects of prolonged immobilization in bed on various body systems.

(20 marks)

4. Explain rationale of EMG & Nerve Conduction studies in localising level of lesion with respect to Lateral Popliteal Nerve Palsy.

(20 marks)

5. Describe the process of designing a Research Proposal. Explain the importance of informed consent document ( ICD ) in carrying out human research.

(20 marks)

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