

MPT in Orthopedics [1st Year]

BF/2022/04

Advanced Therapeutics and Diagnosis (MPO 103)

Time: 3 Hours.

Max Marks =80

- Note:** 1.) *Attempt all questions.*
2.) **ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**
3.) **NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**
4.) **The Student must write O.P. Code in the space provided on the Title page of the Answer Book.**

Section-A

Note : Attempt any one question which carries 20 marks.

Long Essay

1x20=20

1. Describe in detail about principles, application and therapeutic uses of Butler in mobilization of nerves.

OR

2. Describe in detail about basic concept, application and indications of Muscle energy techniques.

Section-B

Note: All Questions are compulsory. Each question carries 10 marks.

Short Essay

6x10=60

3. Describe in detail about Taping material used and its technique of application in Ankle sprain.

4. **Write short notes on following:**

[5+5=10]

- (a) Principles and grades of Maitland's mobilization
(b) Fibrillation potential and positive shape waves in EMG

5. Discuss in detail about Recording procedure and analysis of Sensory and Motor nerve conduction velocity.
6. Explain in detail about production and different types of LASER.
7. Discuss in detail about recent advancements in Physiotherapy.
8. What do you mean by Biofeedback? Explain in detail about its principles, indications and application in physiotherapy.
