

# MPT in Orthopedics [1<sup>st</sup> Year]

BF/2022/04

## Review of Basic Therapeutics (MPO 102)

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. Explain in detail about Sagittal plane gait analysis with reference to RLA system.

#### OR

2. Analyze Posture with respect to the optimal alignment and brief about postural deviations.

### Section-B

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

6x10=60

3. Classify Levers. Give suitable examples of lever in Human body. [10]
4. **Write Briefly about:** [5+5=10]  
(a) Goniometry to measure hip flexion and extension  
(b) MMT of trapezius muscle
5. Describe the role of Cruciate ligaments in knee stability. [10]
6. Describe the Thermal and Non-thermal effects of Ultrasound with their therapeutic uses. [10]
7. **Write Briefly on:** [5+5=10]  
(a) Determinants of Gait  
(b) Characteristics of ideal posture
8. Describe the structure and function of PTB orthoses. [10]

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