



**PZ-2011136**

Seat No. \_\_\_\_\_

**Master of Physiotherapy Examination**

**July - 2020**

**Basic Sciences**

Time : **3 Hours]**

[Total Marks : **100**

- 1 What is a force couple system? Give any two examples in human body. Describe the factors responsible for the maintenance of normal posture in cervical spine. **20**
  
- 2 Discuss the theory of pain modulation dependent on neurotransmitters. Describe the pro-inflammatory effect of therapeutic ultrasound. **20**
  
- 3 Short notes : **60**
  - (a) Types of fatigue
  - (b) Types of data.
  - (c) Ethical principles for physiotherapist as recommended by GSCPT
  - (d) Advantages and disadvantages of quasi experimental study design
  - (e) Conditioning effects of exercise on stroke volume
  - (f) Advantages and disadvantages of using audio-visual aids for teaching

