



**MBH-M2011136**

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

**Master of Physiotherapy Examination**

**April/May – 2018**

**Basic Sciences**

Time : **3 Hours]**

**[Total Marks : 100**

- Instructions :**
- (1) Answers should be specific to the questions
  - (2) Draw diagrams wherever it is necessary.
  - (3) Answers should be supported with references and evidences.
  - (4) Answer to all questions.
  - (5) Numbers on the right indicate full marks.

Long Essay : **2×20=40**

- 1** Write in detail about various anthropometry testing. And add note on the following : **10+5+5=20**
  - (a) Physiotherapy role in weight control.
  - (b) Nutrition and weight control management.

- 2** Write in detail about the biomechanics of skeletal muscles. And add note on pathomechanics of rotator cuff tendinitis. **15+5=20**

Short Essay : **6×10=60**

- 1** Pilot study. And add note on reliability and validity in research with suitable examples.
- 2** Pre competition, during competition and post competition game meal.
- 3** What is F wave and H-reflex ? F-Wave testing procedures and its clinical significance.
- 4** EMG diagnosis of cervical radiculopathy.
- 5** Any two sub-types of Observational study designs, and its implication with suitable examples and advantages and disadvantages for the same.
- 6** New teaching methods in developing good education process.