

**PARUL UNIVERSITY**  
**FACULTY OF PHYSIOTHERAPY**  
**BPT, First Internal Examination (January-2018)**

**Year: 1****Subject Code:07101106****Subject Name: Biomechanics & Kinesiology-I****Date: 30.01.2018****Time: 2 Hour****Total Marks: 35****Instructions:**

1. All questions are mandatory
2. Figures to the right indicate full marks.
3. Draw Diagram wherever necessary.
4. Write separate sections on separate answer sheets.

**SECTION- A**

**Q.1** Discuss in detail about principles of stability. Add a note on psychological and physiological factors affecting stability. **(15)**

**OR**

**Q.1** Define lever. Give Classification of Lever Systems with examples in human Body. Add a note about mechanical advantage. **(15)**

**SECTION-B**

**Q.2 Write Short Notes (4 out of 5) (5 Marks each)** **(20)**

- (a) Rotational movement
- (b) Kinematic chains
- (c) Arthrokinematics
- (d) Laws of motion
- (e) Define moment arm and its significance