

Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**FACULTY OF PHYSIOTHERAPY**  
**BPT, Examination July-2019**

**Year: 2**

**Subject Code: 07101205**

**Subject Name: Biomechanics & Kinesiology-II**

**Date: 24/07/2019**

**Time: 10:00 am to 12:00 pm**

**Total Marks: 35**

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**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** Describe gait. Explain Temporal and Spatial parameters. Explain different types of Pathological gaits. **(15)**

**OR**

**Q.1** Write a note on muscles and ligaments of the Spine and how they control Spinal motion in brief. **(15)**

**SECTION-B**

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

- (a) Lumbo pelvic rhythm
- (b) Mechanics of Thorax
- (c) Intervertebral disc
- (d) Skilled movements
- (e) Impetus to external objects