

[LK 6256]

FEBRUARY 2017

Sub. Code: 6256

**BPT DEGREE EXAMINATION  
SECOND YEAR  
PAPER II – BIOMECHANICS, APPLIED ANATOMY & KINESIOLOGY**

*Q.P. Code : 746256***Time: Three hours****Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 20 = 40)**

1. Compare and contrast biomechanics of Hip and Shoulder Joint.
2. Biomechanics of Gait.

**II. Write notes on:** **(8 x 5 = 40)**

1. Anatomical pulley.
2. Stress and strain.
3. Squat lifting versus stoop lifting.
4. Pronation and supination.
5. Insufficiency.
6. Factors affecting muscle functions.
7. Functions of intervertebral disc.
8. Gravity its uses in therapeutics.

**III. Short answers on:** **(10 x 2 = 20)**

1. Nucleus pulposus.
2. Posture.
3. Grasp.
4. Angle of femoral torsion – function.
5. Second order lever an example.
6. Resistance.
7. Functional position of hand.
8. Hookes law.
9. Optimal length.
10. Q-angle.

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