

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LO 6256]

FEBRUARY 2019

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. Difference between Phasic and Tonic muscle and add the notes on active and passive insufficiency.
2. Describe the general effects of injury and disease of the joint structure.

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

1. Centre of gravity.
2. Isokinetic exercise.
3. Concentric exercise.
4. Intervertebral disc.
5. Carrying Angle.
6. Coxa vara.
7. Tennis and nurse – maid's Elbow.
8. Q angle of knee joint.

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

1. Synarthrosis.
2. What is scaption?
3. Pescavus.
4. Waddling gait.
5. Postural muscle.
6. Pad to pad grip.
7. Synovial joint.
8. Scapulo humeral rhythm.
9. Force vectors.
10. Accessory movements.
