

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

[LN 6256]

AUGUST 2018

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. Write the structure and function of the Hip joint, with the Hip joint pathology.
2. Write the structure and contractile unit of a muscle. Write the types of muscle fibre and the types of muscle contraction.

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

1. Active insufficiency.
2. Locking and unlocking mechanism of knee joint.
3. Concurrent force system.
4. Synovial joint and its subdivision.
5. Law of inertia.
6. Knee joint incongruence.
7. Pelvic tilt.
8. Centre of gravity.

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

1. Claw toes.
2. Axes and planes.
3. Hook grip.
4. Arches of foot.
5. Spurt and shunt muscle.
6. Facet joint.
7. Tenodesis.
8. Synostosis.
9. Shear.
10. Golgi tendon.
