

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

[LP 6277]

AUGUST 2019

Sub. Code: 6277

BPT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2017-2018 onwards)
SECOND YEAR
PAPER II – BIOMECHANICS, APPLIED ANATOMY & KINESIOLOGY

Q.P. Code : 746277

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Explain the details of joint classification with examples and add note on Joint receptors.
2. Describe the Kinetics and Kinematics of Knee joint. Add a note on applied anatomy of Knee Joint.

II. Write notes on:

(10 x 5 = 50)

1. Angles of Hip joint.
2. Viscoelasticity.
3. Factors affecting muscle functions.
4. Scapula humeral rhythm.
5. Determinants of Gait.
6. Supinator twist & Pronator twist.
7. Anterior cruciate ligament.
8. Ground reaction force.
9. Pregnancy posture.
10. Supra humeral arch.

III. Short answers on:

(10 x 2 = 20)

1. Avulsion.
2. Gomphosis.
3. Cubitus valgus.
4. Zona orbicularis.
5. Pes anserinus.
6. H zone.
7. Postural sway.
8. Stride length.
9. Trendelenburg gait.
10. Sacromere.
