

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

[LN 6177]

AUGUST 2018

Sub. Code: 6177

BOT DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2014-2015 onwards)
SECOND YEAR
PAPER III – BIOMECHANICS, APPLIED ANATOMY AND APPLIED
PHYSIOLOGY

Q.P. Code: 786177

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Phases of gait cycle.
2. Dynamic stabilization of the Glenohumeral joint.

II. Write notes on:

(8 x 5 = 40)

1. Functional position of the hand.
2. Palmar arches.
3. Scoliosis.
4. Scapulo-humeral rhythm.
5. Power grip.
6. Coxa Varum and Coxa Valgum.
7. Ideal posture.
8. Lung volume and capacities.

III. Short answers on:

(10 x 2 = 20)

1. Waddling gait.
2. Lateral epicondylitis.
3. Annular pulleys.
4. Nurse maid elbow.
5. Entheses.
6. Stress.
7. Concentric contraction.
8. The motor unit.
9. Bucket handle movement of thorax.
10. Closed packed position of elbow.
