

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

[LQ 6277]

FEBRUARY 2020

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 about Postural analysis and Postural deviations.
2. What is Arch? Explain the details of plantar arches.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Linear force system.
2. Length tension relationship.
3. Ligamentum Flavum.
4. Extensor mechanism of wrist & fingers.
5. Bursae around knee joint.
6. Subtalar Axis.
7. Meniscus.
8. Codman's paradox.
9. Sliding filament theory.
10. Sensory receptors.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Torque.
2. Proteoglycans.
3. Volar plate.
4. Housemaid's knee.
5. Woven bone.
6. Ligamentum teres.
7. Trigger finger.
8. Mechanical advantage.
9. Lister's tubercle.
10. Hoop stress.

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