

[LE 6256]

FEBRUARY 2014

Sub. Code: 6256

SECOND YEAR BPT EXAM

**PAPER II – BIOMECHANICS, APPLIED ANATOMY AND
KINESIOLOGY**

Q.P. Code : 746256

Time: Three Hours

Maximum: 100 marks

I. Elaborate on: (2X20=40)

1. What is Prehension? Explain power grip and precision handling in detail with examples.
2. Explain the structure and function of Plantar arches in detail.

II. Write notes on: (8X5=40)

1. Explain about Pes planus
2. Phases of Gait cycle
3. Explain patella as an Anatomic Pulley
4. Stress and strain
5. Explain about the function of cervical region
6. Advantages and disadvantages of Coracoacromial arch
7. Explain Tennis Elbow
8. Differentiate Coxa valga from Coxa vara

III. Short Answers: (10X2=20)

1. What is Cadence?
2. What is Calcaneal gait?
3. Define Torque
4. What is the instantaneous axis of rotation?
5. What is a motor unit?
6. Attachment of thoracolumbar fascia
7. What is glenoid labrum?
8. What is carrying angle?
9. Name the ligaments of Hip joint
10. What is patella baja?
