

[LK 6157]

FEBRUARY 2017

Sub. Code : 6157

**BOT DEGREE EXAMINATION
SECOND YEAR
PAPER III – BIOMECHANICS APPLIED ANATOMY AND APPLIED
PHYSIOLOGY**

Q.P. Code: 786157

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the different types of Prehension.
2. Describe the locking mechanism of the Knee joint.

II. Write notes on:

(8 x 5 = 40)

1. Differentiate isometric and isotonic muscle contraction.
2. Injuries in the elbow joint.
3. Swing Phase of gait Cycle.
4. Types of Nerve Cells.
5. Action of the heart.
6. Artificial Respiration.
7. Muscles of Elevation of the shoulder joint.
8. Effects of Occupation and Recreation on Posture.

III. Short answers on:

(10 x 2 = 20)

1. Anatomic pulleys.
2. Tri axial joints.
3. Rotator Cuff.
4. Systolic Blood Pressure.
5. Rigidity.
6. Bunnel's sign.
7. QRS complex.
8. Supinated foot.
9. Coxa Vara.
10. Synaptic junction.
