[LG 6157] **FEBRUARY 2015** **Sub. Code : 6157**

SECOND YEAR BOT EXAMINATION
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. Explain the biomechanics of shoulder joint abduction.
2. Describe the factors affecting respiration and effect of exercise on respiration.

II. Write notes on: **(8 x 5 = 40)**

1. Cubital tunnel syndrome
2. Anatomic pulleys
3. Postural control and factors which maintain its stability
4. Plantar arches
5. Lateral pelvic tilt
6. Function of the cruciate ligaments
7. Ligaments of the wrist joint
8. Types of muscle action

III. Short answers on: **(10 x 2 = 20)**

1. Hallux valgus
2. Housemaids knee
3. Nursemaids elbow
4. Popliteus muscle
5. Ankle synergy
6. Calcaneocubiod ligament
7. Unilateral stance
8. Types of grips
9. Coupling action
10. Waddling gait

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