

[LH 0815]

AUGUST 2015

Sub.Code :2101

**B.Sc. NUCLEAR MEDICINE TECHNOLOGY
FIRST YEAR
PAPER I – HUMAN ANATOMY AND PHYSIOLOGY**

Q.P. Code: 802101

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Define cardiac cycle and explain in detail the various mechanical events of the cycle.
2. Define sarcomere and explain in detail the mechanism of skeletal muscle contraction.
3. Explain the three coatings of eye ball and write the ten layers of retina with suitable diagram.

II. Write Notes on:

(8 x 5 = 40)

1. Action potential.
2. Diffusion.
3. Diaphragm.
4. Urinary bladder.
5. Succus entericus.
6. Spinal cord and its cross section.
7. Parkinson's disease.
8. Structure of inner ear.

III. Short Answers on:

(10 x 3 = 30)

1. Defecation.
2. Diabetes insipidus.
3. Meninges.
4. Blood supply of liver.
5. Phantom limb.
6. Sino Atrial node.
7. Gap junctions.
8. Ulnar nerve.
9. Coverings of heart.
10. Milk ejection reflex.
