

[LJ 0816]

AUGUST 2016

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. Describe in detail the anatomy of the right atrium.
2. Describe in detail the anatomy of the liver and the functions of the liver.
3. Describe in detail the anatomy, blood supply and functions of the pituitary gland.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Blood clotting.
2. Broncho pulmonary segments.
3. Brain stem.
4. Male reproductive system.
5. Placenta-structure and functions.
6. Portal vein.
7. Micturition.
8. Thymus gland.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Functions of the skin.
2. Enumerate the extra ocular muscles of the eyeball.
3. Functions of saliva.
4. Thalamus.
5. Functions of red blood cells.
6. Parathyroid gland.
7. Parts of the knee joint.
8. Meiosis.
9. Types of cartilages.
10. Complications of atheroma.

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