

[LK 0217]

FEBRUARY 2017

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 middle ear.
2. Describe in detail the structure and function of the neuron.
3. Enumerate the endocrine glands. Describe in detail the anatomy, blood supply and functions of the thyroid gland.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Testis.
2. Aorta.
3. Gall bladder.
4. Menstrual cycle.
5. Diaphragm.
6. Urinary bladder.
7. Deltoid muscle-attachments and applied anatomy.
8. Median longitudinal arch of foot.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Describe the fallopian tube.
2. Structure of the nephron.
3. Gastric juice.
4. Trachea.
5. Pineal gland.
6. Wrist joint.
7. Mitosis.
8. Factors affecting blood pressure.
9. Diabetes insipidus.
10. Types of muscle.

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