

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 the process of formation of urine in the body.
2. Describe a synovial joint. Describe its types with examples.
3. Describe the external features of the heart. Add a note on the conducting system of the heart.

II. Write Notes on:

(8 x 5 = 40)

1. Bronchopulmonary segments.
2. Lung volumes.
3. Spleen.
4. Functions of sympathetic nervous system.
5. Intercostal space.
6. Thyroxine.
7. Diagram of eye.
8. Contraceptives.

III. Short Answers on:

(10 x 3 = 30)

1. List the important descending (motor) pathways in the body.
2. What is meant by peristalsis?
3. What is meant by cardiac output? What is the formula used to calculate it?
4. List the waves seen in a normal ECG and the reason why it is produced?
5. Parts of the pharynx.
6. Define vital capacity.
7. Parts of stomach.
8. Components of juxta-glomerular apparatus.
9. List the layers of the Adrenal cortex and their secretions.
10. Myelination in the Central nervous system and Peripheral nervous system.
