

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 digestion and absorption of fats in the body.
2. Describe the Thoracic diaphragm.
3. Describe the menstrual cycle.

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

1. Cardiac cycle.
2. CSF circulation.
3. Hormones of the adrenal cortex.
4. Conducting system of the heart.
5. Intercostal muscles.
6. Nephron.
7. Functions of skin.
8. Bronchopulmonary segments.

III. Short Answers on: **(10 x 3 = 30)**

1. Components of juxta-glomerular apparatus.
2. What is meant by cardiac output? What is the formula used to calculate it?
3. Functions of retina.
4. Stages in mitosis.
5. Define fertilization.
6. Coverings of the lung.
7. List the ear ossicles.
8. List three neuroglial cells and their functions.
9. Name the surgical methods of contraception.
10. Starling's law.
