

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. With the help of a neat labelled diagram, explain the structure of the animal cell.
2. List the various constituents of blood. What are the functions of blood?
3. Describe the process of digestion and absorption of carbohydrates in the body.

II. Write Notes on:

(8 x 5 = 40)

1. Internal features of the kidney.
2. Cardiac cycle.
3. Types of epithelial tissue.
4. Functions of skin.
5. Meninges.
6. Hormones of the posterior pituitary gland.
7. External features of the right lung.
8. Modes of contraceptives.

III. Short Answers on:

(10 x 3 = 30)

1. List the differences between skeletal, smooth and cardiac muscle.
2. What is meant by blood pressure? What is the normal adult value of blood pressure?
3. List the enzymes secreted in pancreatic juice.
4. List the important ascending (sensory) pathways in the body
5. Contents of the intercostal space
6. List the coverings of the heart.
7. Define metaphysics.
8. Define systemic circulation.
9. Define tidal volume. Give its normal value.
10. What are villi?
