

B.Sc. RADIOTHERAPY TECHNOLOGY
(New Syllabus 2014-2015)

FIRST YEAR

PAPER I – HUMAN ANATOMY AND PHYSIOLOGY

Q.P. Code: 801906

Time: Three Hours

Maximum : 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Name the parts of the urinary system. Write in detail about the kidneys under the following sub headings: a) External features b) relations c) coverings of kidney d) Blood Supply e) Clinical Anatomy.
2. Enumerate the parts of the nervous system and the brain. Write in detail about the sulci and gyri and functional areas of the cerebral cortex.
3. Write in detail about the structure and properties of cardiac muscle. Also describe in detail about the conducting system of heart and the heart sounds.

II. Write Notes on:

(8 x 5 = 40)

1. Structure of Cell.
2. Breast.
3. Ventricles of the heart.
4. Histology of skeletal muscle.
5. Acid – base balance.
6. Types of epithelial tissue and glands.
7. Blood groups and transfusion reactions.
8. Effect of exercise on lung volumes and the pulmonary functional tests.

III. Short Answers on:

(10 x 3 = 30)

1. Name the parts of the adrenal gland.
2. Name the parts of a typical cervical Vertebra.
3. Name the parts of gall bladder.
4. Surface marking of heart.
5. Name the muscles of pharynx.
6. Name the hormones responsible for lactation.
7. Structure and function of haemoglobin.
8. Composition of Cerebro Spinal Fluid.
9. Name the hormones secreted by Hypothalamus.
10. Name any three functions of liver.
