

[LE 0212]

FEBRUARY 2014

Sub.Code :1901

B.Sc. RADIOTHERAPY TECHNOLOGY

FIRST YEAR

Paper I – HUMAN ANATOMY & PHYSIOLOGY

Q.P. Code: 801901

Time: Three hours

Maximum : 100 Marks

Answer all questions

I. Elaborate on:

(3x10 = 30)

- 1) List the various constituents of blood. What are the functions of blood?
- 2) Describe menstrual cycle.
- 3) Classify Joints. Describe the different types of synovial joints with suitable examples .

II. Write notes on :

(8x5 = 40)

- 1) List the enzymes required for carbohydrate digestion, their source and their actions.
- 2) List the functions of the kidney.
- 3) List the hormones produced by the pituitary gland. Mention one function of each hormone.
- 4) Describe the production, circulation, absorption and clinical importance of cerebrospinal fluid.
- 5) Describe mitosis.
- 6) Describe the structure of a long bone.
- 7) Structure of the eye.
- 8) External features of the heart.

III. Short answers on :

(10x3 = 30)

- 1) Define anatomical position.
- 2) What is meant by blood pressure? What is the normal adult value of blood pressure?
- 3) What is meant by peristalsis?
- 4) List the important descending (motor) pathways in the body.
- 5) List the functions of the skin.
- 6) List the enzymes secreted in pancreatic juice.
- 7) Name the openings of the diaphragm with their corresponding vertebral levels.
- 8) Name the branches of the arch of aorta.
- 9) Name the parts of the pharynx.
- 10) Name the lobes of the cerebrum.
