C 81758

(Pages : 2)

FIRST YEAR B.P.E. DEGREE EXAMINATION, APRIL 2015

Paper II—BASIC AND SYSTEMIC ANATOMY

(2013 Admission Onwards)

Time : Three Hours

Maximum : 75 Marks

Answer any **three** *questions from part-*A *and any* **Two** *questions from part-*B.
Question **no.8 is complsory.**

Part A

1. Depict the structure and the functions of each part of a human eye along with the mechanism of vision.

(1 × 15 = 15 marks)

2. Explain briefly about the structure of the following :

   (a) Lungs

   (b) Nephron

   (c) Spinal cord

(3 × 5 = 15 marks)

3. List down the muscles and movements around the following joints :

   (a) Shoulder joint.

   (b) Hip joint.

   (c) Knee joint.

(3 × 5 = 15 marks)

4. Give short descriptions on :

   (a) The functions and microscopic anatomy of bone.

   (b) Anatomical position, Supine position and Prone position.

   (c) Cardiac Cycle.

(3 × 5 = 15 marks)

5. Explain in brief on the following :

   (a) Eye defects

   (b) Types and distribution of taste buds.

   (c) Types of clotting of blood and its chemistry.

(3 × 5 = 15 marks)

Turn over

Part B

6. Draw a neat and labeled diagram of animal cell and discuss the functions of a cell in detail.

(1 × 15 = 15 marks)

7. (a) Write a short note on Structure of Heart.　　　　　　　(1 × 5 = 5 marks)

   (b) Answer the following :—

   　　(i)　Which is the largest part of the brain ?

   　　(ii)　Name the three small bones constituting the auditory ossicles ?

   　　(iii)　The first cranial nerve arises from which part of the brain ?

   　　(iv)　Name the valve that lies between the left auricle and left ventricle ?

   　　(v)　Which organ of the body is called 'filter plant' ?

(5 × 1 = 5 marks)

   (c) Briefly write about Kidney.　　　　　　　　　　　　　(1 × 5 = 5 marks)

8. Write short note on any *five* of the following.

   (a) Adipose tissue

   (b) Protein Synthesis

   (c) Pancreas

   (d) Humerus

   (e) Axial Skeleton

   (f) Femur

   (g) Vital Capacity

   (h) Hyper tension and Hypotension

(5 × 3 = 15 marks)