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Name.....04.....

Reg. No.....

**FIRST YEAR B.P.E. DEGREE EXAMINATION, JUNE 2014**

**Paper II—BASIC AND SYSTEMIC ANATOMY**

(2013 Admissions)

Time : Three Hours

Maximum : 75 Marks

*Answer any three questions from Part A and two questions from Part B.*

**Question 8 is compulsory.**

**Part A**

1. Classify the tissues of human body and explain the structure and functions of each type.  
(1 × 15 = 15 marks)
2. Explain briefly about the structure of the following :—
  - (a) Nose.
  - (b) Eye.
  - (c) Alimentary canal.(3 × 5 = 15 marks)
3. Discuss about :
  - (a) Role of skin in excretion.
  - (b) Maintenance of posture and equilibrium (sense of balance).
  - (c) Role of pituitary and thyroid glands.(3 × 5 = 15 marks)
4. Give short descriptions on :
  - (a) Structure of human cell.
  - (b) Functions of epithelial and connective tissues.
  - (c) Anatomical Standing position.(3 × 5 = 15 marks)
5. Write down the structure of the following :—
  - (a) Arteries, Veins and Capillaries.
  - (b) Cerebrum, Cerebellum and Medulla Oblongata.
  - (c) Membranous Labyrinth.(3 × 5 = 15 marks)

**Turn over**

**Part B**

6. Give brief description of the structure of heart and explain the cardiac cycle. (1 × 15 = 15 marks)
7. Explain the structure and functions of the following :—
- (a) Blood.
  - (b) Skin.
  - (c) Kidney.
- (3 × 5 = 15 marks)
8. Write short notes on any *five* of the following :—
- (a) Myopia.
  - (b) Heart rate.
  - (c) Blood Pressure.
  - (d) Scapula.
  - (e) Voluntary muscles.
  - (f) Cell.
  - (g) Vital capacity.
  - (h) Hormones.
- (5 × 3 = 15 marks)