

C 45600

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Name.....

Reg. No.....

**FIRST YEAR B.P.E. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, SEPTEMBER/OCTOBER 2013**

Paper III—BASIC AND SYSTEMIC ANATOMY

Time : Three Hours

Maximum : 75 Marks

Answer any five questions of which three questions from Part A and two questions from Part B including Question No. 8 which is compulsory.

Part A

1. Explain the types and functions of muscles with the help of suitable diagrams. (15 marks)

2. Write short notes on :

- (a) Muscles of respiration.
- (b) Chemistry of blood clotting.
- (c) Posture and equilibrium.

(3 × 5 = 15 marks)

3. Write functions of :

- (a) Skin.
- (b) Bones.
- (c) Kidney.

(3 × 5 = 15 marks)

4. Draw neat diagrams of :

- (a) Cell.
- (b) Nephron.
- (c) Heart.

(3 × 5 = 15 marks)

5. Write short notes on :

- (a) Importance of Anatomy.
- (b) Role of digestive juices.
- (c) Functions of cerebrum.

(3 × 5 = 15 marks)

Part B

6. Briefly explain the types of joints and its functions. (15 marks)

Turn over

7. Write short notes on :

- (a) Cardiac cycle.
- (b) Alimentary canal.
- (c) Body fluids.

(3 × 5 = 15 marks)

8. Write short notes on any *five* from the following :—

- (a) Vital capacity.
- (b) Functions of mitochondria.
- (c) Genetic code.
- (d) Arteries and veins.
- (e) Hyper tension.
- (f) Thyroid glands.
- (g) Pons.
- (h) Myopia.

(5 × 3 = 15 marks)