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Name.....

Reg. No.....

**SECOND YEAR B.P.E. DEGREE (SUPPLEMENTARY) EXAMINATION
APRIL 2017**

Paper X—PHYSIOLOGY AND PHYSIOLOGY OF EXERCISES

(2010 Admissions)

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 8**, which is **Compulsory**.

Part A

1. Explain in detail about the Muscular system of the human body ?
(15 marks)

2. Explain :

- (a) Mechanism of Respiration.
- (b) Salivary Gland.
- (c) Ultra Filtration.

(3 × 5 = 15 marks)

3. Describe :

- (a) Function of blood.
- (b) Factors affecting Endurance.
- (c) Fat Metabolism.

(3 × 5 = 15 marks)

4. Explain :

- (a) Functions of Autonomous nervous system.
- (b) Sliding filament theory.
- (c) Conditioning and Training.

(3 × 5 = 15 marks)

5. Enumerate the following :

- (a) Aging changes.
- (b) Reflex Action.
- (c) Fatigue.

(3 × 5 = 15 marks)

Turn over

Part B

6. Explain the general plan of blood circulations ?

(15 marks)

7. Explain :

- (a) Pancreas.
- (b) CNS.
- (c) Anabolism.

(3 × 5 = 15 marks)

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

- (a) Neuromuscular functions.
- (b) Warming Up.
- (c) Pulmonary Respiration.
- (d) Gall bladder.
- (e) Ionic Regulation.
- (f) Medulla Oblongata.
- (g) Stitch and Cramps.
- (h) Blood Clotting.
- (i) Stethoscope.

(5 × 3 = 15 marks)