

C 82637

(Pages : 2)

Name.....

Reg. No.....

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

Paper X—PHYSIOLOGY AND PHYSIOLOGY OF EXERCISE

(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. What are the physiological factors affecting speed, strength and endurance ? Explain.
2. Explain :
 - (a) Catabolism and anabolism.
 - (b) Bradycardia.
 - (c) Oxygen debt.
3. Describe :
 - (a) Sliding filament theory.
 - (b) Functions of liver.
 - (c) Muscle hypertrophy.
4. Enumerate the following :—
 - (a) Fat metabolism.
 - (b) Warming up.
 - (c) Aging changes.
5. Write notes on :
 - (a) Temperature regulation.
 - (b) Pancreas.
 - (c) Neuron.

(3 × 15 = 45 marks)

Part B

6. Briefly explain the mechanism of respiration.
7. Explain :
 - (a) Salivary glands.
 - (b) CNS.
 - (c) Reflex action.

Turn over

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

- (a) Skill acquisition.
- (b) Muscle tone.
- (c) Blood clotting.
- (d) Gall bladder.
- (e) Ultra filtration.
- (f) Concentric contraction.
- (g) Cerebellum.
- (h) Stethoscope.
- (i) Conditioning.

(2 × 15 = 30 marks)