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Name :

Reg. No:

SECOND B.P.E. DEGREE EXAMINATION, JULY 2012

**PAPER X – PHYSIOLOGY & PHYSIOLOGY OF EXERCISE
(2010 Admission)**

Time : Three Hours

Maximum : 75 Marks

Answer any five questions of which 3 questions should be from Part A and 2 questions from Part B including Question No.8 which is compulsory

PART A

1. Explain the various types of blood circulation 15 Marks

2. Explain

a) Salivary glands

b) Ultra filtration

c) Effect of exercise on respiratory system 3x5 = 15 Marks

3. Describe

a) Aging changes in the body

b) Mode of action of digestive enzymes

c) Maintenance of constant body temperature 3x5 = 15 Marks

4. Explain

a) Influence of temperature on metabolism

b) Neuro muscular transmission

c) Reflex action 3x5 = 15 Marks

5. Describe

a) Tubular Secretion

b) Functions of Liver

c) Functions of cerebellum

PART B

6. Explain the factors affecting speed strength and endurance. 15 Marks

7. Explain

a) Metabolism

b) Relationship between duration and severity of exercise

c) Fatigue

3x5 = 15 Marks

8. Short notes on

a) Medulla oblongata

b) A Band

c) Cramp

d) Gall bladder

e) Cardiac output

f) Anabolism

g) Muscle tone

h) Stroke Volume

5x3 = 15 Marks