

[LH 6253]

AUGUST 2015

Sub. Code: 6253

**B.P.T. DEGREE EXAMINATION****FIRST YEAR****PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY***Q.P. Code: 746253***Time : Three Hours****Maximum : 100 marks****Answer ALL questions****I. Elaborate on:****(2 x 20 = 40)**

1. Define Cardiac cycle. Explain the events in different phases of cycle with illustrative diagram.
2. Name the three steps in formation of urine. What is Glomerular filtration rate and factors regulating it? Add a note on renal clearance.

**II. Write notes on:****(8 x 5 = 40)**

1. Chemical regulation of respiration.
2. Types of muscle.
3. Pyramidal tract.
4. Heart rate.
5. Functions of liver.
6. Lactation.
7. Cushing's syndrome.
8. Intrinsic mechanism of coagulation.

**III. Short Answers on:****(10 x 2 = 20)**

1. Enzymes in pancreatic juice.
2. Testicular hormones.
3. Acquired immunity.
4. Blood groups.
5. Neuroglia.
6. Taste receptors.
7. Functions of skin.
8. Cyanosis.
9. Gigantism.
10. Define Stroke volume.

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