

[LK 6253]

FEBRUARY 2017

Sub. Code: 6253

**BPT DEGREE EXAMINATION
FIRST YEAR
PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY**

Q.P. Code: 746253

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Cardiac output. Explain various factors regulating Cardiac output.
2. What is a Synapse? Classify synapse. Explain the properties of synapse.

II. Write notes on:

(8 x 5 = 40)

1. Phagocytosis.
2. Erythroblastosis foetalis.
3. Neuroglia.
4. Surfactant.
5. Mechanism of hydrochloric acid secretion.
6. Functions of liver.
7. Conducting system of Heart.
8. Spermatogenesis.

III. Short answers on:

(10 x 2 = 20)

1. Complications of mismatched blood transfusion.
2. Tidal volume.
3. All or None Law.
4. Emulsification of fat.
5. Heart sounds.
6. Acromegaly.
7. Neurotransmitters.
8. Functions of middle ear.
9. Glomerular filtration rate.
10. Facilitated diffusion.
