

[LQ 6253]

FEBRUARY 2020

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. Explain in detail the changes that occur in Respiratory system and Cardiovascular system during Exercise.
2. Define Cardiac output. Describe in detail various factors regulating Cardiac Output.

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

1. Refractory period.
2. Function of Glottis.
3. Surfactant.
4. Excitation contraction coupling.
5. Visual pathway.
6. Hemisection of the spinal cord.
7. Small intestine motility.
8. Diabetes mellitus.

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

1. Name the enzymes present in Succus entericus.
2. Functions of saliva.
3. Write any two functions of cerebellum.
4. Functions of Rods and Cones.
5. Name any four female contraceptive methods.
6. Define blood volume and mention its types.
7. Types of Cyanosis.
8. Platelets.
9. Write any two uses of Electrocardiogram.
10. Define Synapse.
