

BPT DEGREE EXAMINATION

FIRST YEAR

(Regulations for the candidates admitted from 2017-2018 onwards)

PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY

Q.P. Code: 746274

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define cardiac output. Explain the factors regulating cardiac output. Add a note on effect of exercise on cardiac output.
2. Describe electron microscopic structure of Skeletal muscle. Discuss the mechanism of Skeletal Muscle Contraction.

II. Write notes on:

(8 x 5 = 40)

1. Phagocytosis.
2. Carbon dioxide transport.
3. Cerebrospinal Fluid.
4. Referred pain.
5. Juxta Glomerular Apparatus (JGA).
6. Functions of liver.
7. Neuro endocrinal reflex.
8. Spermatogenesis.

III. Short answers on:

(10 x 2 = 20)

1. Accommodation reflex.
2. Functions of Haemoglobin.
3. Surfactant.
4. Gastrin.
5. Facilitated diffusion.
6. Oxygen debt.
7. Functions of Hypothalamus.
8. Acromegaly.
9. List of four of functions of plasma proteins.
10. Homeostasis.
