

BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FIRST YEAR- (Regulation from 2017-2018 onwards)  
PAPER III – PHYSIOLOGY AND APPLIED PHYSIOLOGY  
Q.P. Code : 746274

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

**I. Elaborate on:**

(2 x 15 = 30)

1. Define cardiac output and describe the factors regulating it.
2. Define and classify immunity. Explain in detail about humoral immunity.

**II. Write notes on:**

(10 x 5 = 50)

1. Cerebellum.
2. Homeostasis.
3. Heart sounds.
4. Draw a typical Action potential of nerve & explain its ionic basis.
5. Juxtaglomerular apparatus.
6. Deglutition.
7. Menstrual cycle.
8. Functions of skin.
9. Sarcomere.
10. Functions of cortisol.

**III. Short answers on:**

(10 x 2 = 20)

1. Function of mitochondria.
2. Apoptosis.
3. Surfactant.
4. Addison's disease.
5. Cross matching.
6. Carbamino haemoglobin.
7. Cystometrogram.
8. Hirschsprung's disease.
9. Puberty.
10. FEV1.

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