

G 8492



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Reg. No.....

Name.....

**BACHELOR OF PHYSIOTHERAPY (B.P.T.) DEGREE EXAMINATION
APRIL 2025**

First Year

PHYSIOLOGY

(Prior to 2008 Admissions—Last and Final Special Mercy Chance)

Time : Three Hours

Maximum Marks : 100

Draw diagrams wherever necessary.

1. Define Arterial Blood Pressure. Explain the short-term and long-term regulatory mechanisms of blood pressure. Add a note on the factors affecting peripheral resistance.
(15)
2. Describe the stages of Erythropoiesis (formation of RBCs) and list the factors necessary for normal RBC maturation.
(12)
3. Define Glomerular Filtration Rate (GFR). Describe the mechanism of urine formation in the nephron.
(13)
4. List the hormones secreted by the Anterior Pituitary gland, and discuss the functions of Human Growth Hormone (GH).
(10)
5. Explain the transport of Oxygen from the lungs to the tissues.
(10)
6. Write Short Notes on any *eight* :
 - (a) Functions of Blood Plasma Proteins.
 - (b) Properties of Cardiac Muscle.
 - (c) Functions of Saliva.

Turn over





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- (d) Functions of the Spleen.
- (e) Vital Capacity and its Clinical Significance.
- (f) Myasthenia Gravis.
- (g) Functions of Placenta.
- (h) Refractive Errors of the Eye.
- (i) Functions of Gastric Juice.
- (j) Heart Rate and its Normal Regulation.

(8 × 5 = 40)

