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Reg. No......

Name.....

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

First Year

PHYSIOLOGY

(2008 Admissions Onwards—Last and Final Special Mercy Chance)

Time : Three Hours

Maximum Marks : 100

Draw diagrams wherever necessary.

- I. Define Cardiac output and mention its normal value. Discuss the factors regulating cardiac output. Explain its clinical importance. (15)
- II. (a) How is the normal respiration regulated ? Discuss the factors affecting normal respiration. (13)
- (b) What are the functions of the Kidney ? Discuss the risk factors, of Chronic kidney disease. (12)
- III. (a) Discuss the Visual Pathway and its lesions. (10)
- (b) Discuss the Physiology of Skeletal Muscle Contraction. Add a note on Isometric and Isotonic contraction (10)
- IV. Write short notes on any *eight* of the following :—
- (a) Gigantism.
- (b) Functions of Liver.
- (c) Functions of Cerebellum.

Turn over





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- (d) Menopause.
- (e) Postural reflex.
- (f) Astigmatism.
- (g) Haemoglobin.
- (h) Rigor Mortis.
- (i) Functions of the Middle ear.

(8 × 5 = 40)

