

G 6629

Reg. No.....

Name.....

FIRST PROFESSIONAL M.B.B.S. DEGREE EXAMINATION, MARCH 2008
PHYSIOLOGY—Paper I

Time : Two Hours and Forty Five Minutes

Maximum : 45 Marks

Answer Sections A-II and B in separate answer-books.
Draw diagrams wherever necessary.

Section A-II

- II. (a) Define Hypoxia.
(b) Classify Hypoxia and give an account of the salient features of each with examples.
(c) What are the dangers of Hyperbaric oxygen therapy ?
(d) Name *one* Hypoxia where administration of oxygen-rich gas mixtures is of very limited value.
(1 + 6 + 2 + 1 = 10 marks)

- III. (a) Briefly explain the chief *determinants* of arterial blood pressure.
(b) How is Sodium reabsorbed from renal tubules ?

(2 × 5 = 10 marks)

Section B

- IV. Give the physiological basis of the following :—
(a) Deficiency of Vitamin B₁₂ produce Megaloblasts.
(b) The first R^h positive child of an R^h Negative mother usually survives.
(c) Vagotomy is beneficial in surgical treatment of peptic ulcer.
(d) Examination of Jugular venous pulse is a routine clinical test in assessing cardiovascular function.
(e) Intra thoracic pressure is normally negative.

(5 × 2 = 10 marks)

V. Write briefly on :

- (a) Intrinsic pathway of blood coagulation.
(b) Mouth to mouth breathing.
(c) Factors affecting gastric emptying.
(d) Sino-aortic reflex.
(e) Dangers of deep sea diving.

(5 × 3 = 15 marks)