

[PR 105]

FIRST M.B., B.S. DEGREE EXAMINATION.

Second Semester

PHYSIOLOGY — II

Time : Three hours.

Maximum : 90 marks

- (1) Separate answer books must be used for Sections A and B.
- (2) Section C must be answered separately on the answer sheet placed inside the question paper booklet as per the instruction on the first page
- (3) Answer ALL the questions.
- (4) Draw diagrams wherever needed for answers in Sections A and B.

SECTION A — (2 × 15 = 30 marks)

1. Describe how CO_2 is transported in the blood. Draw the CO_2 dissociation curve for arterial and venous blood. What is Bohr's effect?
2. Define blood pressure. Describe how the blood pressure is regulated. How do you measure the blood pressure in man?

SECTION B — (6 × 5 = 30 marks)

3. Write short notes on :
 - (a) Difference between the pyramidal tract and extra pyramidal tract.
 - (b) Neural mechanism of respiration.
 - (c) Transmission of nerve impulse at synapse.
 - (d) Pathway for the taste sensation.
 - (e) Errors of refraction.
 - (f) Heart sounds.