

Semester I

PHYSIOLOGY—I

Time : Three hours

Maximum : 90 marks

- (i) Answer ALL the questions.
- (ii) Section A and Section B should be answered in separate answer books.
- (iii) Section C must be answered separately on the answer sheet placed inside the question booklet as per the instructions given on the first page.
- (iv) Draw diagrams wherever needed, for answers in Section A and B.

SECTION A

1. Give an account of the hormones of neurohypophysis. How are they regulated? (15 marks)
2. Describe the composition, function and regulation of secretion of pancreatic juice. (15 marks)

SECTION-B

3. Write short notes on:
 - (a) Anti-coagulants.
 - (b) Inulin clearance.
 - (c) Rh incompatibility
 - (d) Ovulation.
 - (e) Effects of castration in males before puberty.
 - (f) Innervation of urinary bladder and the role of nerves in micturition. (6 × 5 = 30 marks)