

[SG 512]

Sub. Code : 4012

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

(Revised Regulations)

Part I

Paper II — PHYSIOLOGY — I

Time : Three hours Maximum : 100 marks

Two and a half hours Sec. A & Sec. B : 70 marks

for Sec. A and Sec. B Section C : 30 marks

Separate answer books must be used for  
Sections A and B.

Section C must be answered separately on the answer  
sheet provided as per the instructions on the first page.

Answer ALL questions.

SECTION A

1. Give an account of the composition, regulation of secretion and functions of pancreatic juice. (15)
2. Write short notes on : (4 × 5 = 20)
  - (a) Functions of platelets.
  - (b) Intercellular connections.
  - (c) Juxtaglomerular apparatus.
  - (d) Transfusion reactions.

SECTION B

3. What is the normal level of glucose in the blood?  
How is blood glucose maintained within normal limits?

(15)

4. Short notes on : (4 × 5 = 20)

- (a) Spermatogenesis.
- (b) Hering-Breuer Reflex.
- (c) Surfactant.
- (d) Measurement of renal blood flow.