

[SG 510]

Sub. Code : 4010

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

(New Regulations)

Part II

Paper II — PHYSIOLOGY — II

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. Describe with the help of a diagram electrical, mechanical and volume changes during one cardiac cycle. (15)
2. Write briefly on : (4 × 5 = 20)
 - (a) Jugular venous pulse.
 - (b) Lung compliance.
 - (c) Control of cerebral blood flow.
 - (d) Tests of hearing.

SECTION B

3. Discuss the role of cerebellum in control of muscle tone and posture. List the signs and symptoms of cerebellar lesion. (15)
4. Write short notes on : (4 × 5 = 20)
 - (a) Pathway for smell
 - (b) Spinal shock.
 - (c) Dark adaptation.
 - (d) Skeletal neuromuscular transmission.