

[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.