

[KJ 503]

Sub. Code : 4054

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

(Non-Semester)

(Revised Regulations)

Paper IV — PHYSIOLOGY INCLUDING
BIO-PHYSICS – II

Time : Three hours

Maximum : 100 marks

Theory : Two hours and forty
minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Draw suitable diagrams wherever necessary.

Answer ALL questions.

I. Write an essay on the following :

(1) Define Blood pressure. Give the normal values. Describe the 'Baroreceptor mechanism' for regulation of Blood pressure. (15)

(2) Explain the role of vestibular apparatus in posture and equilibrium. Add a note on Meniere's syndrome. (15)

II. Write short notes on :

(10 × 5 = 50)

(a) Accommodation for near vision.

(b) Visceral pain.

(c) Sensory cortex.

(d) Total peripheral resistance in vascular system.

(e) Acclimatisation at high altitude.

(f) Compliance of lungs.

(g) Functions of middle ear.

(h) Associative learning.

(i) Righting Reflexes.

(j) Control of food intake.