

[KN 503]

Sub. Code : 4054

II. Write Short notes on :

(10 × 5 = 50)

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 Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay on the following: (2 × 15 = 30)

(1) What are chemoreceptors. Describe the chemical control of Respiration. Add a note on cheyne-stokes breathing.

(2) What are Otolith organs? Explain their mechanism of action and the physiological function.

(e) Draw an ECG. Mention the cause of each wave.

(a) Myasthenia Gravis.

(b) Pacemaker potential.

(c) Maximum Breathing capacity.

(d) Parkinson's disease.

(e) Draw an ECG. Mention the cause of each wave.

(f) Excitation-Secretion coupling.

(g) Dark adaptation.

(h) Colour Vision.

(i) Basal ganglia.

(j) Endorphins.