



WWW.FIRST
August-2005

www.FirstRanker.com

[KN 502]

Sub. Code : 4053

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

(Non-Semester — Revised Regulations)

Paper III — PHYSIOLOGY INCLUDING BIOPHYSICS — I

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

• Answer ALL questions.

Draw diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

(1) Enumerate the hormones of the pituitary gland. Describe the mechanism of action of growth hormone of the cell level. Add a note on acromegaly.

(2) Discuss the role of platelets in coagulation of blood.

II. Short notes : (10 × 5 = 50)

(a) Saltatory conduction in nerve fibers

(b) Phagocytosis

(c) Humoral immunity

(d) Functions of saliva

(e) **Actions of pancreatic juice**

(f) Hypothalamic thermostat

(g) Cystometrogram

(h) **Myxedema**

(i) Negative feedback mechanism in hormonal regulation

(j) Female contraceptive methods.