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[KL 502]

Sub. Code: 4053

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

(Non-Semester - Revised Regulations)

Paper III — PHYSIOLOGY INCLUDING BIO-PHYSICS — I

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 diagrams wherever necessary.

Essay Questions:

 $(2 \times 15 = 30)$

- Describe the mechanism of concentration of urine.
- (2) Discuss the actions and regulation of secretion of glucocorticoids. Write a note on its applied physiology.

II. Write short notes on :

 $(10 \times 5 = 50)$

- (a) What are plasma proteins? Mention their types and discuss their functions.
 - (b) Describe the pharyngeal stage of deglutition.
 - (c) Inter cellular connections.

- (d) Nerve action potential.
- (e) Physiological effects of thyroid hormones.
- (f) Contraceptive methods.
- (g) Neuro endocrine reflex.
- (h) Small intestinal movements.
- (i) Discuss the morphology and functions of platelets.
 - (j) Cell mediated immunity.

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