

[KG 502 A]

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 and a half hours

Theory : 70 marks

M.C.Q. : Half an hour

M.C.Q. : 30 marks

MCQ must be answered separately on the answer sheet
provided as per instructions on the first page.

Answer ALL questions.

Draw diagrams wherever necessary.

1. Describe the functions and regulation of Insulin.
Add a note on Polyurea. (15)

2. Write short notes on : (4 × 5 = 20)

- (a) Inulin and Para amino hippuric acid
- (b) Hormonal support of menstrual cycle
- (c) Renin-Angiotensin system
- (d) Tests for Pregnancy.

3. Describe the ABO and Rh blood groups. Add a
note on cross-matching. (15)

4. Write short notes on : (4 × 5 = 20)

- (a) Sarcomere and sarcoplasmic reticulum
- (b) Regulation of Saliva secretion
- (c) Intestinal movements
- (d) Molecular basis for Action potential.