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PR 102]

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

First Semester

**Paper II - PHYSIOLOGY - I**

Time : Three hours

Maximum : 90 marks

Separate answer books must be used for Sec.A and B  
Section C must be answered separately on the answer sheet  
provided as per instructions on the first page

Answer ALL the questions

**SECTION A - (2 x 15 = 30 marks)**

1. Give an account of the gastro-intestinal hormones with reference to

- (a) Site of production
- (b) Regulation of Secretion
- (c) Function

2. Describe the synthesis, storage, release and actions of adrenal medullary hormones.

**SECTION B - (6 x 5 = 30 marks)**

3. Write short notes on:

- (a) Ionic basis of muscle contraction
- (b) Role of kidney in the maintenance of water balance in the body
- (c) Phases of menstrual cycle
- (d) Erythroblastosis foetalis
- (e) Measurements of body fluid volume in different compartments
- (f) Cushing syndrome