



HCA-8112

Seat No. _____

First B. H. M. S. Examination

September – 2017

**Paper - II : Physiology & Biochemistry - II
(Old Course)**

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) Write each section in separate answer book.
(2) Draw figure wherever necessary.
(3) Handwriting must be readable.
(4) Mention section clearly in answer book.

SECTION - I

- 1 Mention hormones secreted by Posterior pituitary gland. **15**
Describe physiological action of oxytocin.
- 2 What is synapse ? Explain the structure, function and **15**
properties of synapse.
- 3 Write short notes : (any **four**) **20**
- (a) Reflex arc
 - (b) Fatigue
 - (c) Functions of Gluco-corticoids
 - (d) Fetoplacental unit
 - (e) Electroencephalo Gram

SECTION - II

- 4 Describe the different phases of gastric secretion with **15**
experimental evidences.
- 5 Discuss the various steps of TCA cycle and point out **15**
where energy, water and CO₂ are formed. How many molecules
of ATP are produced in the cycle ?

6 Write short notes : (any **four**)

20

- (a) Vomiting
 - (b) Glycogen
 - (c) Specific dynamic action of food-stuffs
 - (d) Vit. D
 - (e) Enterohepatic circulation
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