



AD-4049
First Year B. H. M. S. Examination
March/April – 2015
Physiology & Biochemistry : Paper - II
(New)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

<p>नीचे दर्शायेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : FIRST YEAR B. H. M. S.</p> <p>Name of the Subject : PHYSIOLOGY & BIOCHEMISTRY : PAPER-II (NEW)</p> <p>Subject Code No. : 4 0 4 9 Section No. (1, 2,.....): 1&2</p>	<p>Seat No. : □ □ □ □ □ □</p> <p style="text-align: center;">Student's Signature</p>
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- (2) Write in neat handwriting.
- (3) Figures to the right indicates full marks.
- (4) Draw diagram wherever necessary.

SECTION – I

- 1 Define Digestion. Describe mechanism of secretion and functions of Succus Entericus. 15

- 2 Describe Balanced Diet in detail. 15

OR

- 2 Define Vitamins and essential Amino Acids. Name them and write in short the importance of Vitamins and essential Amino Acids. 15

- 3 Write short notes on : (any four) 20
 - (1) Peristalsis
 - (2) Importance of fibre in diet
 - (3) Composition of Bile
 - (4) Neoglucogenesis
 - (5) Specific Dynamic action of Protein
 - (6) Properties of Lipids.

SECTION – II

1 Define Endocrine gland. Enumerate hormones of Anterior Pituitary gland. Describe role of Growth hormone with a note on its applied physiology. **15**

2 Define Receptors. Classify them and write their properties in detail. **15**

OR

2 Define Neuron and Neuroglia. Write down the differences between them and write structure of Neuron in detail. **15**

3 Write short notes on : (any **four**) **20**

- (1) Testosterone
- (2) Feedback mechanism
- (3) Diagram of Reflex Arc
- (4) Hormone
- (5) Stages of Menstruation
- (6) Hypothalamus as a thermostat.