

1907000101030002  
First Year B.H.M.S.  
Examination June – 2023  
Physiology & Biochemistry Paper-II

Seat No:

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Student's Signature
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[Time: 3:00 Hours]

[Max. Marks:100]

Instruction:

- All Questions Are Compulsory.
- Write in Neat handwriting.
- Marks to the right indicate full mark

SECTION-I

- Q.1 Explain any One descending tract in detail. 15  
OR 15  
Define Synapse. Explain properties of synapse 15
- Q.2 Describe digestion and absorption of protein. 15  
OR 08  
(a) Composition and functions of gastric juice. 07  
(b) Functions of pancreatic juice. 15
- Q.3 Write short notes on: (Any Three) 15  
a. Deglutation.  
b. C.S.F.  
c. T.C.A cycle.  
d. Neurone.  
e. Auditory pathway.
- Q.4 Answer as directed: 05  
a. What is receptor?  
b. Define Neoglucogenesis.  
c. What is reflex acc.  
d. What are special senses.  
e. What is Peristalsis.

SECTION-II

- Q.1 Explain functions of Glucocorticoid Hormone. 15  
OR 15  
Name hormones of Pituitary gland and add a note on functions of Growth Hormone. 15
- Q.2 Describe menstrual cycle and its hormonal regulation. 15  
OR 08  
(a) Functions of Testosterone. 07  
(b) Lactation. 07

Q.3 Write short notes on: (Any Three)

- a. Vitamin C.
- b. Neuromuscular junction.
- c. Spermatozoatozoa.
- d. Classification of carbohydrate.
- e. Vitamin A.

15

Q.4 Answer as directed:

- a. What is Diabetes Mellitus?
- b. What is Carbohydrate?
- c. Name the hormones secreted by Thyroid gland.
- d. What is ovulation?
- e. What are the types of muscle?

05