



BB-1907000101030002 Seat No. _____

First Year B. H. M. S. Examination

April – 2022

Physiology & Biochemistry : Paper - II

Time : 3 Hours]

[Total Marks : 100

नीचे दशावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
First Year B. H. M. S.

Name of the Subject :
Physiology & Biochemistry : Paper - II

Subject Code No. : 1 9 0 7 0 0 0 1 0 1 0 3 0 0 0 2

Section No. (1, 2,.....): NIL

Seat No.: [] [] [] [] [] []

Student's Signature

- Instruction: 1) Write in neat handwriting.
2) Figures to the right Indicates full marks.
3) Write both Section Separately.

Section I

- 1 Define TRACT. Describe pyramidal tract with diagram. 15
OR
1 Write definition and types of synapse. Explain properties of synapse in detail. 15
2 Describe digestion and absorption of carbohydrates in detail. 15
OR
2 a. Describe functions and regulation of pancreatic juice. 08
b. Composition & functions of saliva 07
3 Write short notes (any three) 15
a. Difference between UMN & LMN lesions.
b. Limbic system
c. Mechanism of HCL secretion by parietal cells of gastric gland.
d. Deglutition
e. Rod & cone
4 Give answer in one to two sentences. 05
a. What do you mean by neuroglia?
b. Define hypermetropia.
c. Name the receptor of auditory sensation? Where is it situated?
d. What is the role of ptyalin?
e. Composition of succus entericcus

Section II

- 1 Enumerate hormones secreted from pituitary gland. Describe in detail about Growth hormone. 15

OR

- 1 Enumerate hormones secreted from thyroid gland. Describe in detail synthesis of thyroid hormone and describe disorder of thyroid gland. 15
- 2 Define Oogenesis. Describe in detail about ovarian changes occurs during menstrual cycle. 15

OR

- 2 a. Spermatogenesis. 08
b. Contraceptive methods in female 07
- 3 Write short notes (any three) 15
- a. Differences between Acromegaly & Gigantism
 - b. Functions of placenta
 - c. Gluconeogenesis
 - d. Vit. D
 - e. Essential amino acids
- 4 Give answer in one to two sentences. 05
- a. Define menarchy
 - b. Name the hormones secreted by gonads.
 - c. Which are the sources of vit A?
 - d. Define enzyme.
 - e. Define cryptorchidism.
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