



RAN - 1907000101030002

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First year B. H. M. S. Examination (New Course)

October / November - 2019

Human Physiology & Biochemistry: Paper-II

[Total Marks: 100

सूचना : / Instructions

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लपववी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **First year B. H. M. S. (New Course)**

Name of the Subject :

☛ **Human Physiology & Biochemistry: Paper-II**

Subject Code No.:

Seat No.:

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Student's Signature

- (2) All questions are compulsory.
- (3) Figure to the right indicate full marks.
- (4) Write both section separately.

SECTION - I

- 1 Describe Tract of Gall & Burdach with respect to its origin, course & Termination in detail. **15**
- OR**
- 1 Describe Basal ganglia in detail. **15**
- 2 Explain "Digestion and absorption of Protein". **15**
- OR**
- 2 (1) Rhythmic segmentation **8**
(2) Functions of Saliva **7**
3. Write Short Notes : (Any Three) **15**

RAN-1907000101030002]

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[P.T.O.]

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- (1) Function of Bile
- (2) Deglutition
- (3) Babinski's Sign
- (4) Function of CSF
- (5) Organ of Corti

4. Answer in one word or Sentence. 5

- (1) Define Neuron
- (2) Define Hypermetropia
- (3) Function of Cones
- (4) Define Defaecation
- (5) Define Glucolysis

SECTION - II

- 1. Define Exocrine gland, Endocrine gland, Composite gland, Hormone & Target Organ. Discuss physiology of Posterior Pituitary gland with a note on its applied physiology. 15**

OR

- 1 Describe physiological aspect of Thyroid gland with respect to Histology, Synthesis, role of hormone with a note on applied physiology of hyposecretion. 15**
- 2 Define Puberty. What is pubertal age in boys and girls ? Write in detail pubertal changes in both with a note on applied physiology. 15**

OR

- 2 (a) Define Ovulation, Menstruation, Fertilization and implantation. Write down functions of Oestrogen, 8**
- (b) Name the male sex hormones. Write down functions of Testosterone with a note on its applied physiology. 7**

3. Write short note on: (Any three)

15

- 1) Vitamin C
- 2) Insulin
- 3) Structure of sperm
- 4) Role of oxytocin from posterior pituitary gland
- 5) Progesterone

4 Answer in one word or sentence.

5

- 1) _____ is the hormone secreted by supra optic cells of Hypothalamus.
- 2) Rickets is caused by deficiency of vitamin _____
- 3) Aldosterone hormone is secreted from _____ layer of adrenal cortex
- 4) What is Menarchy ?
- 5) Onset of reproductive life is called as _____.
