

Paper / Subject Code: 1907000101030002 / PHYSIOLOGY (PAPER - II)

1907000101030002

First Year B.H.M.S.

Examination March-2023

Physiology & Biochemistry Paper -II

Seat No:

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[Time: Three Hours]

[Max. Marks:100]

Student's Signature

SECTION I

- Q.1 Describe lateral spinothalamic tract (15)
OR
Write functions of hypothalamus in detail (15)
- Q.2 Describe composition, functions and regulation of pancreatic juice (15)
OR
a. Functions of bile (8)
b. Peristaltic movements (7)
- Q.3 Write Short notes (Any three) (15)
1. Cerebral spinal fluid
2. Functions of saliva
3. TCA cycle
4. Error of Refraction
5. Functions of liver with its applied physiology
- Q.4 Write answer in one sentence: (5)
1. Define synapse
2. What is micelle?
3. What is neoglucogenesis?
4. Name any one test for deafness
5. What is ptyalin?

SECTION II

- Q.1 Enumerate hormones secreted from pituitary gland. Describe detail about action, regulation & functions of growth hormone with its applied physiology. (15)
OR
Write classification of Hormones. Describe the mechanism of hormone secretion and different mechanism of action of hormones. (15)

Q.2 Describe the menstrual cycle in detail with its applied physiology (15)

OR

A. Spermatogenesis (8)

B. Mode of action & Function of aldosterone (7)

Q.3 Short notes: (Any three) (15)

1. Vitamin A

2. Addison's disease

3. Muscle Spindle

4. Rickets

5. Lactogenesis

Q.4 Answer as per requirement: (5)

1. What is dwarfism?

2. Full name of T3 is _____

3. Hormones secreted from Adrenal medulla _____

4. What is Azoospermia?

5. Vitamin B₁₂ is also known as _____