

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION AUGUST-2026
1ST BHMS CBDC
SUBJECT CODE: 2407000301030702
Subject - Physiology & Biochemistry - Paper 2

Time: 3 Hrs
Total Marks-100

Instructions:

1. Attempt all questions.
2. Marks of each question are indicated on the right side.
3. Draw neat and labelled diagram wherever necessary.

Q. 1. Multiple choice questions (MCQ).

(10)

1. Glucagon is synthesized in the _____.
 - a) Posterior pituitary
 - b) Anterior pituitary
 - c) Thyroid gland
 - d) Pancreas
2. The _____ tract is also called the pyramidal tract.
 - a) Corticospinal tract
 - b) Tract of Burdach
 - c) Tectospinal tract
 - d) Gower's tract
3. Which Gastric juice is acidic, whereas pancreatic juice is _____ in nature.
 - a) Alkaline
 - b) Emulsifying
 - c) Oxidizing
 - d) None of the above
4. _____ interna and _____ externa are the two layers found in the Graafian follicle.
 - a) Goblet
 - b) Alpha
 - c) Theca
 - d) Theta
5. Diabetes mellitus is caused by hyposecretion of the hormone _____.
 - a) Insulin
 - b) Parathormone
 - c) Melatonin
 - d) Prolactin
6. Rinne's test and Weber's test are used for the detection of _____.
 - a) Deafness
 - b) Balance disorders
 - c) Precipitation

- d) Gustation
7. Which cranial nerve is primarily responsible for the sense of smell?
- a) Optic nerve (II)
 - b) Olfactory nerve (I)
8. Which of the following is a non-reducing sugar?
- a) Lactose
 - b) Maltose
 - c) Sucrose
 - d) Glucose
9. _____ is a pentose sugar.
- a) Ribose
 - b) Glucose
 - c) Hexose
 - d) Starch
10. _____ helps in the digestion of lipids.
- a) Pancreatic lipase
 - b) Salivary amylase
 - c) Pancreatic amylase
 - d) Pepsinogen

QUESTION-2: SHORT ANSWER QUESTIONS (ALL COMPULSORY)

40 MARKS

1. Dwarfism
2. synthesis of thyroid hormone
3. Neuron
4. Functions of hypothalamus- any 5
5. Peristalsis
6. Functions of testosterone
7. Taste buds
8. classification of carbohydrate

QUESTION - 3 FULL QUESTIONS (ALL COMPULSORY)

50 MARKS

1. Write in detail functions of growth hormone.
2. Define synapse. Explain properties of synapse.
3. Describe composition and functions of saliva.
4. Explain menstrual cycle in detail.
5. Describe auditory pathway in detail.