

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION MARCH- 2026
1ST BHMS SEMESTER-I
SUBJECT CODE: 2407000301030702
Paper: Human Physiology & Biochemistry Paper-2



Time: 3 Hours
Total Marks: 100

Q.1 Multiple Choice Questions (ALL ARE COMPULSORY). (10)

1. Thyroid hormones belong to which class of hormone?
 - a. Steroid
 - b. Proteins
 - c. Polypeptides
 - d. Amino acid derivative
2. What is the function of lateral spinothalamic tract?
 - a. Crude touch
 - b. Pain & temperature
 - c. Subconscious kinesthetic sensation
 - d. All of these
3. Amylase secreted by the salivary glands into the oral cavity starts the digestion of
 - a. Protein
 - b. Lipids
 - c. Starch
 - d. Cellulose
4. In male, oestrogen is secreted by?
 - a. Spermatogenic cells
 - b. Primary spermatozyte
 - c. Sertoli cells
 - d. Spermatid
5. Which hormone is responsible for ovulation?
 - a. luteinizing hormone
 - b. Follicular stimulating hormone
 - c. Oestrogen
 - d. Progesterone
6. The small area of retina where optic nerve leaves the eye is called
 - a. Fovea centralis

- b. blind spot
 - c. Macula lutea
 - d. Yellow spot
7. Rods and cones are.....
- a. Branches of oculomotor nerve
 - b. Photoreceptors
 - c. Branches of trochlear nerve
 - d. Terminal branch of abducent nerve
8. Maximum enzyme activity is observed at
- a. Acidic pH
 - b. Alkaline pH
 - c. Optimum pH
 - d. None of the above
9. Normal potassium levels is....
- a. 3.5-5.0 mEq/L
 - b. 35-50 mEq/L
 - c. 13.5-14.5 mEq/L
 - d. 05-15 mEq/L
10. Normal value of blood urea is :
- a. 3-4mg/100ml
 - b. 4-8mg/100ml
 - c. 8-16mg/100ml
 - d. 20-40mg/100ml

Q.2 Short notes (All compulsory).

(40)

- 1. Functions of Mineralocorticoid Hormone
- 2. Gigantism
- 3. Wellerian Degeneration
- 4. Neuroglia
- 5. Peristalsis
- 6. Progesterone
- 7. Myopia
- 8. Vitamin-C

Q.3 Full questions (All compulsory).

(50)

- 1. Discuss the regulations and action of Growth hormone
- 2. Explain Course, functions & lesions of tract of gall and bardach

3. Discuss the mechanism & regulation of Succus Entricus secretion
4. Discuss the detail about spermatogenesis
5. Write in detail about Auditory pathway.

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