

PAPER CODE: BH2022405

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TELANGANA STATE, WARANGAL – 506 002
BHMS FIRST PROFESSIONAL DEGREE EXAMINATIONS: MARCH, 2026
HUMAN PHYSIOLOGY AND BIOCHEMISTRY
PAPER–II

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary with Black Ball point pen/ HB

Pencil / any dark colour Pencil.

Write ALL of the following Multiple Choice Questions:

10 X 1 = 10

1. Cryptorchidism refers to
 - a) Male hypogonadism
 - b) Removal of testis before Puberty
 - c) Removal of testis after puberty
 - d) Undescended testes
2. The hormone that suppresses the immune system is
 - a) Glucagon
 - b) Thymosin
 - c) Adrenaline
 - d) Cortisol.
3. The predominant isoenzyme of LDH in the cardiac muscle
 - a) LDH-1
 - b) LDH-2
 - c) LDH-3
 - d) LDH-5
4. Hunger center of brain is
 - a) Hypothalamus
 - b) Stria Nigra
 - c) Frontal Lobe
 - d) Temporal Lobe
5. Gastric juice contains which of the following enzymes
 - a) Pepsin and rennin
 - b) Amylase and pepsin, Lipase
 - c) Amylase and pepsin
 - d) Insulin and glucagon
6. Which of the following is known as invert sugar
 - a) Dextrose
 - b) Sucrose
 - c) Fructose
 - d) Starch
7. Pellagra is caused due to vitamin
 - a) Thiamine
 - b) Folic acid
 - c) Nicotinic Acid (Niacin)
 - d) None
8. In Uncorrected myopia, the image is formed
 - a) In front of the lens
 - b) At the back of the lens
 - c) In front of the retina
 - d) Behind the retina
9. Jacobson's organ is
 - a) Olfactory
 - b) Auditory
 - c) Chemoreceptor
 - d) Hygroreceptor
10. Degenerative process of follicles or eggs in is called ovary
 - a) Metagenesis
 - b) Atresia
 - c) Regression
 - d) None

Write a short essay on the following:

8 X 5 = 40

- 11.** Describe the synthesis of thyroid Hormones and explain its function.
- 12.** Give a Short note on growth Hormone.
- 13.** Define synapse. Add a note on classification, the action and properties of synapse.
- 14.** What is Limbic system? and add note on its Components and its functions.
- 15.** Describe the gastric phase of gastric secretion.
- 16.** Function of Estrogen.
- 17.** Describe briefly about taste receptors.
- 18.** Mention the functions and deficiency manifestations of vitamin D.

Write an essay on the following:

5 X 10 = 50

- 19.** What are the hormones secreted by Parathyroid Glands. Explain their functions and add a note on hypersecretion of parathyroid hormones.
- 20.** Explain the connections, functions and applied physiology of Cerebellum.
- 21.** Composition, functions and mechanism of secretion of Gastric Juice.
- 22.** What is Spermatogenesis, Explain the process and factors affecting it.
- 23.** Discuss the olfactory receptor and olfactory pathway.
