

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA, WARANGAL – 506 002

BHMS FIRST PROFESSIONAL DEGREE SUPPLEMENTARY EXAMINATIONS: AUGUST, 2025

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 color Pencil.

Write ALL of the following Multiple-Choice Questions:

10 X 1 = 10

1. Action of Anti- diuretic hormone.
 - a) Retention of Water
 - b) Contraction of Muscles
 - c) Growth of Bone
 - d) Calcium Metabolism
2. The predominant isoenzyme of LDH in the cardiac muscle is
 - a) LDH-1
 - b) LDH-2
 - c) LDH-3
 - d) LDH-5
3. Which of the following is not an essential Amino acid
 - a) Tyrosine
 - b) Tryptophan
 - c) Valine
 - d) Leucine
4. Calcium absorption is increased in the Gut by
 - a) 1,25- dihydroxycholecalciferol
 - b) Intrinsic factor
 - c) Calcitonin
 - d) PTH
5. Function of peripheral neuroglia is
 - a) Provide myelination, phagocytosis
 - b) Form of blood – brain barrier
 - c) Provide supporting network
 - d) Secrete neurotrophins
6. Atrophy of gastric Mucosa produces
 - a) Indigestion
 - b) Hyper acidity
 - c) Pernicious anaemia
 - d) Belching
7. Rhythm method is
 - a) Inserted tables, foam pills into vagina just before coitus to kill sperm
 - b) Avoiding coitus during safe period
 - c) Dilatation of cervix and removal of implanted Zygote
 - d) Prevent the entry of sperm into the Ejaculation Duct.
8. Enophthalmos meaning
 - a) Absence of sweating on affected side of face
 - b) Sinking of eye ball into orbital cavity
 - c) Dropping of Upper eyelid
 - d) Abnormal constriction of Pupil

9. Presbyopia is caused by
- | | |
|---|---|
| a) Increased anterior posterior diameter of eyeball | b) Decreased anterior and posterior diameter of eyeball |
| c) Difference in refractive power of both eyes | d) Loss of elasticity in lens and weakness of ocular muscles during old age |
10. Corpus luteum maintains pregnancy uptoweeks
- | | |
|-------|-------|
| a) 8 | b) 12 |
| c) 20 | d) 28 |

Write a short essay on the following:

8 X 5 = 40

11. Explain the role of Hormones.
12. Action of Insulin.
13. Discuss about Ovulation.
14. What are enzymes. Discuss about action of it.
15. Discuss the sensation of Taste.
16. Discuss about degeneration of Nerve.
17. Discuss the composition and functions of Pancreatic Juice
18. Explain the properties of Receptor.

Write an essay on the following:

5 X 10 = 50

19. What are the hormones secreted from anterior pituitary gland. Add a note on Hyposecretion and Hypersecretion of it.
20. Explain in detail about properties of nerve fibres.
21. Discuss the uterine changes during Menstrual Cycle.
22. Discuss the different types of Refractive errors
23. Discuss the mechanism and regulation of Pancreatic Juice Secretion
