

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

B.Sc. (ALLIED HEALTH SCIENCES) FIRST YEAR DEGREE EXAMINATIONS:

FEBRUARY, 2026

PHYSIOLOGY

(Common for all B.Sc. (Allied Health Sciences) courses)

Time: 3 Hours

Max Marks: 80

Note: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark Color pencil.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Describe thyroid hormone synthesis. Enumerate functions of thyroid hormone.
List clinical features of hypothyroidism. (4+4+2)
2. Define GFR (glomerular filtration rate). Give its normal value. Mention the factors regulating it. (2+2+6)
3. What is the normal rate of respiration? Name the four centres of respiration.
Describe in detail the neural regulation of respiration. (2+3+5)

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Write about the Micturition reflex.
5. Define cardiac output. Mention its normal value. List the factors affecting it.
6. Describe intrinsic mechanism of coagulation.
7. Name the types of Leucocytes (White Blood Cells), structure and function of Neutrophil and Eosinophil.
8. Enumerate the actions of Testosterone.
9. Name the Plasma proteins and its functions.

Write briefly on the following:

10 X 3 = 30

10. Enumerate differences between osmosis and diffusion.
11. Define the terms menarche, menopause, menstruation.
12. Discuss functions of large intestine.
13. Mention three functions of cerebellum.
14. Name various male and female contraception.
15. Describe functions of gall bladder.
16. State the ionic composition of extracellular fluid.
17. Define myopia. How is it corrected.
18. Actions of Glucocorticoids.
19. Name major immunoglobulins and their functions.
