

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

BPT FIRST YEAR DEGREE EXAMINATIONS: JANUARY, 2026

PHYSIOLOGY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions
Draw diagrams wherever necessary

Write an essay on the following:

2 X 10 = 20

1. A. Significance of RBC, WBC counts and ESR test.

(4+4+2)

OR

- B. With the help of Diagram trace the Dorsal Column Tracts and Mention the Sensations Carried by it.

(5+5)

2. A. Describe the Blood Clotting Mechanism. Add a note on Anticoagulants.

(8+2)

OR

- B. Explain Pain Pathway.

Write short note on the following:

8 X 5 = 40

3. Types of Hypoxia.
4. Functions of Skin.
5. Jaundice and its Types.
6. Transport of CO₂ in Blood.
7. Color Vision.
8. Semi Circular Canals.
9. Aerobic Capacity.
10. Ovulation.

Write briefly on the following:

10 X 2 = 20

11. Internal Tremor.
12. Tympanic Reflex.
13. Tetanus and Tetany.
14. Labelled diagram of Taste Pathway.
15. Packed Cell Volume.
16. Age Changes in Cardiovascular System.
17. Wave Summation and Quantal Summation.
18. Ishihara's Chart.
19. Rinne and Weber's Test.
20. Synapse.
