

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

FIRST BNYS PART- II YEAR DEGREE EXAMINATIONS: MAY, 2025

**PHYSIOLOGY
PAPER– I**

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Give diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 10 = 20

1. Define cardiac cycle. Explain ventricular events during cardiac cycle. Add a note intraventricular pressure changes during cardiac cycle.
2. Explain Erythropoiesis. Add a note on factors affecting erythropoiesis

Write a short note on the following:

10 X 5 = 50

3. Explain non-respiratory functions of lungs.
4. Explain classification of Anaemia
5. Renal function tests.
6. Hazards of blood transfusion
7. Composition and functions of pancreatic juice
8. Movements of small intestine
9. Explain intervals and segments of ECG
10. Cardiovascular changes in exercise
11. Difference between active transport and passive transport
12. Pulmonary circulation

Write briefly on the following:

5 X 2 = 10

13. Heart blocks
14. Properties of RBC
15. Functions of bile
16. Negative feedback mechanism
17. Tidal volume
