

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
FIRST BNYS PART-II YEAR DEGREE SUPPLEMENTARY EXAMINATIONS:
NOVEMBER, 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 with the help of a diagram the mechanical changes during Cardiac cycle.
2. Define Respiration, explain in detail about the mechanism and regulation of respiration.

Write a short note on the following:

10 X 5 = 50

3. Explain the role of B-lymphocytes in immunity.
4. Write a note on significance of Rh group.
5. Write the process of acidification of Urine.
6. Enumerate the causes of metabolic acidosis. How it is corrected.
7. Note on intrinsic nerve supply of Gastrointestinal tract.
8. Heart sounds and its clinical significance.
9. Physiology of Micturition and its abnormalities.
10. Describe the mechanism and autoregulation of cerebral blood flow.
11. Origin and function of Plasma proteins.
12. Write notes on ECG Leads.

Write briefly on the following:

5 X 2 = 10

13. Regulation of pancreatic secretion.
14. Non-respiratory functions of Lungs.
15. Splanchnic circulation.
16. Triple response.
17. ABO and RH system.