

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

FIRST M.B.B.S. INSTANT DEGREE EXAMINATION: November 2020

PHYSIOLOGY PAPER -I

2½ Hours Max.

Marks: 50

Note: Answer all questions: Illustrate your answer with suitable diagrams.

I ANSWER THE FOLLOWING QUESTIONS [2×10=20]

1. What is cardiac output? Explain the regulation of cardiac output.
[2+8=10]
2. Describe the mechanism of formation of concentrated urine. Add a note on diuresis. [3+5+2=10]

II WRITE SHORT NOTE ON THE FOLLOWING [5×4=20]

3. Enumerate different modes of transport across cell membrane. Describe primary active transport with an example.
4. Macrocytic anaemia.
5. Enterohepatic circulation of Bile salts.
6. Secondary active transport.
7. Explain the role of inspiratory and expiratory muscles in respiration.

III WRITE BRIEFLY ON THE FOLLOWING [5×2=10]

8. List the function of CCK - PZ.
 9. Functions of Haemoglobin.
 10. Draw labelled diagram of ECG.
 11. Name the buffers of renal tubules.
 12. Lungs compliance.
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