

PAPER CODE: 1010

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

M.D/ M.S DEGREE EXAMINATIONS: OCTOBER 2025

PAEDIATRICS

PAPER – I

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

10 X 10 = 100

1. What are the normal waves of internal jugular venous pulsation in relation to the cardiac cycle? Explain various abnormal jugular venous pulse.
2. Define Anaemia in children. Discuss RBC indices and its utility.
3. Briefly outline the Catecholamine receptors. Discuss Inotropic and Vasoactive therapy in management of Paediatric Shock.
4. Discuss the physiology of Urinary acidification.
5. Define Hypoxia. Discuss the physiological basis of different types of Hypoxia. What is the importance of Oxygenation Index?
6. Briefly describe the physiology of bladder function with its applied importance.
7. Discuss the genetics of Down's Syndrome with its applied importance.
8. Describe Prenatal screening tests for genetic disorders.
9. Briefly discuss the significance of Confidence Interval in Biostatistics.
10. Outline the different types of Study Design in Biostatistics.
