

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH**  
(A Deemed to be University)

**Time: 180 Minutes**

**Max Marks: 100 Marks**

**Post Graduate Examination October/November 2025**

**Paediatrics Paper I**

**QP CODE: P3111**

*Your answer should be specific to the question asked*

*Draw neat labelled diagrams wherever necessary*

1. Describe the causes, clinical features and management of neonatal polycythaemia. (3+3+4)
2. Describe the indications, procedure and complications of chorionic villous sampling. (3+4+3)
3. Enumerate the causes of foetal or intrauterine growth restriction (IUGR). Describe the screening & diagnosis of IUGR. (2+4+4)
4. Enumerate 6 congenital anomalies in severe respiratory distress in new born. Mention clinical features and management of cystadenoid malformations in lung. (3+2+5)
5. Write a note on Foetal stem cell therapy, its uses and advancement. (3+3+4)
6. A 6-day old preterm neonate presents with abdominal distension, feed intolerance, vomiting and blood in stools. Describe the differential diagnosis, diagnostic approach and principles of initial stabilization.
7. Discuss the management of neonatal withdrawal syndrome under - causes and risk factors, clinical presentation and assessment and treatment approaches. (3+4+3)
8. Enumerate the causes of hypocalcaemia in new born. Describe the clinical evaluation and management of a neonate with hypocalcaemia. (4+2+4)
9. Explain the role of neonatal screening programs for inborn errors of metabolism under - types of disorders screened, importance of early detection and challenges in implementation (4+3+3)
10. Describe the aetiology, clinical features and management of 4 common transplacental infections? (2+3+5)

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**Paediatrics Paper II**

**QP CODE: P3112**

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**10X10=100**

1. Enumerate diseases amenable to genetic therapy and describe the mechanism of Gene therapy in any TWO conditions. (4+6)
2. Define childhood obesity. Describe the approach to diagnosis and management of childhood obesity. (2+4+4)
3. Describe the development of genitourinary system and the factors responsible for the development of Ambiguous genitalia. (5+5)
4. Outline the fine motor milestones along with their normal age of achievement in sequence attained between birth and 5 years of age.
5. A 9 yrs. old child has a height of 90cms. Describe how you will clinically assess, investigate and manage this child. (2+4+4)
6. Describe classification, clinical features and management of interstitial lung disease in children. (2+2+4)
7. Describe the classification, pathogenesis, clinical features and management of Guillain Barre syndrome. (1+2+2+5)
8. Describe aetiology, clinical features and management of cerebral palsy. (2+3+5)
9. A 5-year-old girl is brought to the hospital for bluish spots over the body and bleeding from gums of 7 days duration. She has no lymph node swelling or splenomegaly. How will you investigate and manage the child? (5+5)
10. Define adolescent depression. Describe the diagnostic criteria and management of adolescent depression. (2+3+5)

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**Paediatrics Paper III**

**QP CODE: P3113**

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**10X10=100**

1. Which congenital heart diseases are associated with cyanotic spells? Describe clinical presentation and management of cyanotic spell. (2+2+6)
2. Describe aetiology, diagnosis and management of Childhood Hypertension. (2+3+5)
3. Describe the types of hearing loss in children. Enumerate the causes of hearing loss in children. (2+3+5)
4. Describe the aetiology, pathogenesis, clinical features and management of celiac disease in children. (2.5+2.5+2.5+2.5)
5. Describe the clinical evaluation and management of malabsorption in children. (5+5)
6. Describe the pathophysiology of renal tubular acidosis and outline its management. (5+5)
7. A 10yr old child is brought with history of reduced urine output and swelling of the body for 3 days. What investigation will you under take? How will you treat this child? (4+6)
8. A 2yr old boy is brought with high-grade fever, petechial rashes and cold peripheries. Describe the diagnostic work up and management of this child. (5+5)
9. Describe clinical features, etiopathogenesis, management of Leptospirosis. (2+3+5)
10. Describe primary immuno deficiency diseases.

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**Paediatrics Paper IV**

**QP CODE: P3114**

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1. Describe the flow chart for diagnosis of childhood tuberculosis under National TB Elimination Program (NTEP). Write briefly on DOTS- Plus strategy. (5+5)
2. Describe recent advances in the management of paediatric congestive cardiac failure.
3. Describe the symbols used in pedigree chart. Draw pedigree charts over 4 generations depicting a) X – linked dominant disease b) X – linked recessive disease. (2+4+4)
4. Describe the utility of high frequency ventilation in paediatrics.
5. Describe transportation of a sick child.
6. Describe etiopathogenesis, clinical manifestations and management of Bartter Syndrome. (4+2+4)
7. Describe the assessment and measurement of pain in neonates and children. Describe the pharmacological management of acute pain. (6+4)
8. Define acute respiratory distress syndrome (ARDS). Describe the causes and management of a child with ARDS. (2+2+6)
9. Describe the various adolescent vaccines.
10. Define Child Abuse. Describe clinical manifestations of Child Abuse. Describe some useful investigations in a suspected case of Child Abuse. (2+3+5)