

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND
RESEARCH**

Post Graduate Examinations, November 2023

Time: 180 Minutes

Max Marks: 100 Marks

Paediatrics Paper I

QP CODE: P3111

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

1. Describe the tests for pulmonary maturity and steps of management of respiratory distress syndrome (RDS) in preterm neonates. (4+6)
2. Describe pathogenesis and management of post haemorrhagic ventricular dilatation. (5+5)
3. Describe prevention of parent to child transmission of Human immunodeficiency virus (HIV) infection.
4. Define health care associated infections (HAIs)? Enumerate different HAI of NICU with definition, diagnostic criteria and bundles to prevent them. (2+3+2+3)
5. Describe development of diaphragm. Describe different types of congenital defects of diaphragm. Describe clinical manifestations, diagnosis and management of a baby suspected to be having congenital diaphragmatic hernia. (2+2+2+1+3)
6. Describe normal variations in renal functions during neonatal period and neonatal renal function tests.
7. Describe pathogenesis, diagnosis and treatment of neonatal shock. (4+2+4)
8. Describe role of folic acid in the prevention of neural tube defects.
9. Describe Fetal circulation and cardiovascular adjustments at birth. (6+4)
10. List the causes of respiratory distress in preterms. Outline the principles of surfactant therapy in preterms. Describe the complications of oxygen therapy in newborns. (3+3+4)

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Paediatrics Paper II

QP CODE: P3112

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1. Describe approach to a child with rickets.
2. Define failure to thrive (FTT) and enumerate its causes. Describe approach to a child with failure to thrive and its management. (1+2+3+4)
3. Describe the etiopathogenesis, clinical features, diagnosis and management of vit-B 12 (cobalamine) deficiency. (3+2+2+3)
4. Define stridor. One year old child is brought with sudden onset of stridor. Describe the diagnosis and treatment of this child. (1+4+5)
5. A 6 y old girl is brought with history of head ache, vomiting and unsteadiness of gait for 10 days. How will you proceed with the investigations and treatment of this child? (5+5)
6. Describe the clinical features and management of Tuberous sclerosis. (5+5)
7. Explain the coagulation cascade. A 4yr old child comes with a history of recurrent epistaxis and gum bleeds. Describe the laboratory diagnosis and management of this condition. (5+5)
8. Explain the synthesis of steroid hormones. Describe approach to a child born with ambiguous genitalia. (4+6)
9. Describe etiology and clinical features of autism spectrum disorders (ASD). Describe about the recent advances in its management. (3+3+4)
10. A one yr old baby is brought with complaints of not attaining head control and social smile. How will you proceed with the evaluation of this child? How will you manage this child? (6+4)

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Paediatrics Paper III

QP CODE: P3113

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1. Describe the causes, clinical features and management of acute viral myocarditis. (3+2+5)
2. Describe diagnosis and management of Constrictive Pericarditis. (4+6)
3. Describe the clinical features, diagnosis and management of secondary disaccharide intolerance in children. (3+2+5)
4. A 6 week old child is brought with a history of jaundice since 3 weeks of age, high colored urine with staining of napkins and pale colored stools. Describe the laboratory diagnosis of this condition. What is the differential diagnosis and treatment of this condition? (3+2+5)
5. Describe the etiological factors, clinical manifestations and management of children with UTI. (3+2+5)
6. Describe etiology, clinical features and management of acute kidney injury in children. (2+2+6)
7. Describe pathology, clinical features, management and complications of meningococcal meningitis. (2+2+4+2)
8. Describe the mode of transmission and risk factors for perinatal transmission of HIV infection. What are the strategies which may be used to reduce transmission? (2+3+5)
9. Describe clinical manifestations and management of systemic lupus erythematosus(SLE). (5+5)
10. What are the audible sounds in pulmonology? Describe the management of expiratory wheeze in under 5 children. (3+7)

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Paediatrics Paper IV

QP CODE: P3114

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1. Define anion gap. Enlist causes of increased anion gap metabolic acidosis and describe its management. (4+6)
2. Describe the Goal-Directed Therapy of Organ System Dysfunction in Shock in children.
3. Describe the pathogenesis, clinical features and management of scorpion sting. (2+3+5)
4. Enumerate the major routes of pesticide exposure in children. Outline the manifestations of their toxicity. Describe steps for minimization/prevention of exposure to pesticides in children. (3+3+4)
5. Enumerate various sedatives and analgesics recommended for children undergoing painful procedures. Describe their main action, indication in pediatric practice and important side – effects in a tabular format. (3+2+2+3)
6. Describe route of administration, dose, adverse effects and immunisation schedule of OPV and IPV vaccines. (5+5)
7. Describe recent advances in the management of thalassemia.
8. Describe Prenatal diagnosis of Down syndrome and Duchenne Muscular Dystrophy. (5+5)
9. Describe mission indradhanush programme in india.
10. Describe IAP guidelines on safety precautions in pediatric practice in the era of COVID-19 pandemic in health care settings. Describe the current COVID vaccination in children.