

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

PG Examinations June/July 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. Enumerate the newer recommendations of neonatal resuscitation by American Academy of Pediatrics 2017 guidelines. Comment on the level of evidence for each of the changes. (5+5)
2. Describe effects of maternal occupational and environmental risks to the fetus.
3. Mention the composition of human milk. Write a note on human milk banking. (3+7)
4. Describe the differential diagnosis of respiratory distress in newborn and outline the advances in the management of Hyaline membrane disease(5+5).
5. A term new born baby on exclusive breast feeding has presented with bleeding per rectum on the 10th day of life. Describe the differential diagnosis, clinical evaluation and management of the case. (4+3+3)
6. Describe the role of various treatment modalities for treating neonatal hypothermia.
7. Describe the role of Point of care Cranial Ultrasonography in NICU.
8. Explain normal cerebrospinal fluid circulation in the newborn. Describe the changes that take place in congenital aqueductal stenosis. (3+7)
9. Describe the normal fetal development of surfactant. Describe the uses of surfactant in new born. (5+5)
10. Describe diagnosis and management of persistent neonatal jaundice at the age of 3 weeks in a term baby. (5+5)



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Paediatrics Paper II

QP CODE: P3112

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1. Define epilepsy. Describe the investigations and recent advances in management of epileptic disorders.
2. What are the Mendelian patterns of inheritance? What are the characteristics of X-linked recessive disorder? Draw a pedigree chart over 4 generations depicting X-linked recessive disorder. (3+3+4)
3. Describe tics in children.
4. Define recurrent respiratory infections. Enumerate the causes and describe the management of a 6 years old child with recurrent respiratory infections. (3+3+4)
5. Describe the differential diagnosis, clinical assessment and laboratory evaluation of an 8-year-old active intelligent boy weighing 13 kg and measuring 95 cm in height with bone age of 4 years. (3+4+3)
6. Describe diagnostic criteria of Autistic spectrum disorders and its management. (5+5)
7. Describe the 10 components of baby friendly hospital initiative (BFHI). Describe the advantages of breast milk to the baby, mother and society. (5+5)
8. Describe principles of development and enumerate the developmental milestones of a nine-month-old child.
9. Write the peripheral smear findings in the following: a) Thalassemia major b) Lead poisoning c) Megaloblastic anaemia d) Sickle cell anaemia e) Acute lymphoblastic leukemia. (2+2+2+2+2)
10. A new born child presents with ambiguous genitalia, vomiting and severe dehydration. Describe the approach to diagnosis and management. How would you counsel the parents? (5+3+2)



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Paediatrics Paper III

QP CODE: P3113

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1. Define malabsorption. Enumerate the generalized and specific malabsorption states. Describe the investigative plan for a child with generalized malabsorption. (2+4+4)
2. Enumerate the causes of congestive cardiac failure in an infant and delineate the management of any ONE entity. (4+6)
3. A 8 y old child with skin lesions is brought with oliguria and edema of 2 days duration. How will you investigate and manage this child? (4+6)
4. Classify vasculitis. Describe clinical features and management of Henoch Schonlein purpura. (3+3+4)
5. What are the opportunistic infections in child with HIV infection? How will you manage them? (4+6)
6. A 4yr old child is brought with swelling and deformities of small joints for 6 months duration. How will you proceed with the investigations? What are the steps involved in the treatment? (5+5)
7. Describe diagnosis and management of Constrictive Pericarditis. (4+6)
8. Describe the etiopathogenesis of acute suppurative otitis media. Describe the treatment and complications of acute suppurative otitis media (ASOM) in children. (4+4+2)
9. Define fever of unknown origin. Describe approach to a child with fever of unknown origin. (2+8)
10. Describe etiopathogenesis, clinical manifestations and investigations of Wilson's disease. (5+2+3)



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Paediatrics Paper IV

QP CODE: P3114

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1. Describe recent advances in the diagnosis of tuberculosis.
2. Describe the pathophysiology of submersion injury. A 4 year old boy was rescued 10 min back from a pond and rushed to the hospital emergency. Mention the basic principles of management. (5+5)
3. Define Child Abuse. Describe clinical manifestations of Child Abuse. Describe some useful investigations in a suspected case of Child Abuse. (2+3+5)
4. Describe live vaccines and cold chain maintenance. (5+5)
5. Describe the diagnostic algorithm for investigating persistent hypokalemia in a child.
6. Describe clinical features and management of Salicylate poisoning. (5+5)
7. Define sudden infant death syndrome (SIDS). What are the causes and steps taken to prevent SIDS? (2+3+5)
8. Define perinatal mortality rate. Describe the steps to reduce perinatal mortality. (2+8)
9. Describe Gene Therapy in Children.
10. Outline the pre-hospital and hospital management of a 10 year old boy bitten by a poisonous snake.

