

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - November 2019

Time : 3 Hrs

Max Marks : 100

M.D PAEDIATRICS

Paper- I QP Code: P3111

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100

1. A term child is born apnoeic. What information of the perinatal events would you like to know? What are the initial steps of management in the labor room? What are the possible complications in next 48 hours?
2. Enumerate the factors associated with prematurity and low birth weight. Describe the potential pathways by which infection plays a role in premature delivery. 3+4+3
6+4
3. Define polycythemia in a newborn. What are the factors predisposing to it? Describe the impact of polycythemia on various systems and their clinical presentation. Describe the management of polycythemia in newborn. (Marks- 1+2+4+3)
4. Describe etiology, pathogenesis, clinical features and management of neonatal necrotising enterocolitis(NEC). (Marks - 2+2+3+3)
5. Describe attributes, complications and monitoring of total parenteral nutrition in a newborn. (Marks - 3+3+4)
6. Describe rapid diagnostic tests in a suspected cases of neonatal septicemia.
7. What is kernicterus (bilirubin encephalopathy)? Describe the pathogenesis of bilirubin encephalopathy and management plan for 4 day old neonate with early bilirubin encephalopathy.(Marks - 2+3+5)
8. Describe the new theories of pathogenesis, clinical features and management of an asphyxiated newborn baby. (Marks - 5+2+3)
9. Describe approach to a dying infant with suspected inborn errors of metabolism(IEM).
10. What are the methods of diagnosis of fetal disorders? Describe fetal medical & surgical therapeutic options for various fetal disorders. 4+6

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Paper- II QP Code: P3112

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LONG ESSAY

10 X 10 = 100

1. Describe the role of Genetic counseling in Preventive Paediatrics.
2. 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? (Marks - 6+4)
3. Define Growth, Development, Velocity of growth, mean, median, percentiles. Enumerate causes of retarded growth. Briefly outline a schedule for investigation of such a case.
4. Describe etiology, clinical features and management of Nutritional recovery syndrome?
5. A 1 month old child is brought with abnormal looking genitalia. How will you proceed with investigations and management of this child?
6. Describe approach to a child with recurrent headache. Outline the management of migraine in children. (5+5)
7. Describe disorders of neuronal migration in children.
8. Describe indications, procedure and complications of bone marrow transplantation. (2+4+4)
9. Classify insulins. Describe Newer insulins.
10. Provide a diagrammatic representation of urea cycle. Indicate and name related disorders of urea cycle metabolism at each step.

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Paper- III QP Code: P3113

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LONG ESSAY

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1. A one year old child is referred for an asymptomatic cardiac murmur. Outline the likely causes. How will you differentiate an innocent murmur from that of a congenital heart disease on clinical grounds?(3+7)
2. Describe the causes, clinical features and management of hypertension in children.(2+3+5)
3. Describe management of severe dehydration in a 2 y old child weighing 7 kgs. Mention the common electrolyte disorders seen in diarrhoeal dehydration and Describe the management. (3+2+5)
4. Define probiotics and prebiotics. Outline their important properties and mechanisms of action. Enlist four most important indications of their clinical use in Pediatric clinical practices.(3+5+2)
5. Define Enuresis. Describe its manifestations and management.(2+4+4)
6. Describe renal replacement therapy in children.(10)
7. A 3y old girl is brought with 7 days history of fever. She is pale and has splenomegaly. How will you proceed with evaluation and management? (5+5)
8. Describe management of a child with severe malaria.(10)
9. A 3yr old girl is brought with swelling and deformities of small joints of 3 months duration. Which is the most likely diagnosis? How will you investigate this child? How will you treat this condition?(1+4+5)
10. Describe evaluation and management of an infant with squint.(5+5)

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M.D PAEDIATRICS

Paper- IV QP Code: P3114

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LONG ESSAY

10 X 10 = 100

1. Define respiratory failure in children. What are the causes of respiratory failure? A child of 1 yr with bronchiolitis is admitted to emergency ward. How do you assess for respiratory failure and manage? (2+2+3+3)
2. List the causes of Hypokalemia. Describe the clinical features, laboratory diagnosis and management of hypokalemia.(2+2+2+4)
3. A 4 year old child has been bitten on his foot by a cobra. Describe the management of this child.(10)
4. Define sudden infant death syndrome (SIDS). What are the causes and steps taken to prevent SIDS?(2+2+6)
5. Write a plan for organizing a pediatric emergency department in a 250 bed hospital catering to 1,00,000 people living within an area of 100 square kilometers.(10)
6. Describe the management of a 17 year old Juvenile delinquent boy.(10)
7. What are the major contributors to the high infant mortality in our country? What Specific areas of infant or/and newborn care can be strengthened to decrease infant mortality in India. Describe the salient features of the integrated management of neonatal and childhood illness strategy.(2+4+4)
8. Tabulate the various newer vaccines available to prevent respiratory disease in children, with their types, dosage schedule, route, important side effects and efficacy.(2+2+2+2+2)
9. What measures can reduce Birth Rate in next 5 years?(10)
10. What are mutations? Describe their consequences.(10)