

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

Post Graduate Degree Examination - May 2018

Time : 3 Hrs

Max Marks : 100

M.D PAEDIATRICS

Paper - I

Paper Code : RS-3201

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100

1. A term baby delivered by forceps did not cry after birth and required active resuscitation for 20 minutes. What are the problem you anticipate? How will you investigate and manage the baby? Marks - 3+3+4
2. Enumerate the risk factors for preterm delivery. Describe the causes, Clinical features and management of respiratory distress syndrome. Marks - 2+2+2+4
3. Discuss aetiopathogenesis, diagnosis and management of a bleeding neonate
4. Discuss Approach to a newborn with bilious vomiting.
5. What is evidence based recommendation about use of Probiotics in neonatology.
6. Describe the clinical features, management and prevention of congenital rubella syndrome. Marks- 5+3+2
7. Discuss physical and photobiological characteristics of different types of phototherapy devices. Compare LED phototherapy vs CFL phototherapy units.
8. Discuss pathophysiology of hypoxic ischemic brain damage in newborn and its management
9. Describe the advantages and methods of giving Kangaroo Mother Care (KMC). Enlist metabolic consequences of hypothermia.
10. Discuss the complications in the fetus and newborn of a mother with diabetes during pregnancy

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Paper - II

Paper Code : RS-3202

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LONG ESSAY

10 X 10 = 100

1. Describe clinical features, management and counseling of a trisomy 21 child? Marks - 3+5+2
2. What is sexual maturity rating. Discuss the secular trend of sexual maturity over last century in adolescence. Marks- 6+4
3. Discuss the evolution and characteristics of WHO growth charts. Discuss their implications on the magnitude of malnutrition in Indian setting.
4. Outline the nutritional support of a critically ill child. List the complications during management of such a child.
5. write the causes, clinical features, investigations and management of a child with pulmonary haemosiderosis.
6. Discuss the etiology, pathogenesis, clinical features, differential diagnosis and management of Neurocysticercosis.(2+2+2+2+2)
7. A 3m old baby is brought with fever, altered sensorium for 2 days. Discuss the differential diagnosis and management?(5+5)
8. A 6 y old child is brought with history of fever, fatigue and bleeding for 7 days. Discuss the differential diagnosis and management. (5+5)
9. Discuss the approach to a case with polyuria. Discuss the management of Diabetes insipidus. (5+5)
10. Discuss the enzymes replacement therapy and substrate reduction strategies in management of metabolic disease.

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Paper - III

Paper Code : RS-3203

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LONG ESSAY

10 X 10 = 100

1. A 6 year old boy brought with swelling of large joints and breathlessness for 10 days. How will you investigate and manage this child?
2. Depict diagrammatically fetal circulation. Highlight its unique features differentiating it from neonatal circulation. Outline important changes occurring at birth.
3. Discuss the causes, pathophysiology, clinical and diagnostic evaluation and management of persistent diarrhoea in children. (2+2+3+3)
4. Discuss etiology, clinical features and management of gastroesophageal reflux in children. (2+3+5)
5. Describe etiopathogenesis, pathology, clinical presentation and management of a 3 year old child with post streptococcal glomerulo nephritis. (2+2+2+4)
6. How is urinary tract infection diagnosed? Draw an algorithm for evaluation of a child after the first episode of UTI. Describe the utility of a DMSA scan.
7. Discuss Polio eradication and end game strategic plan
8. Discuss etiopathogenesis, clinical features and management rickettsial fever?
9. Discuss Hemophagocytosis lymphohistiocytosis
10. Describe the etiopathogenesis and clinical features in a 3 year old child with hearing impairment.
What are the laboratory tests for assessment of such a child.?

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M.D PAEDIATRICS

Paper - IV

Paper Code : RS-3204

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LONG ESSAY

10 X 10 = 100

1. Diagnostic criteria of brain death.
2. How is the degree of Burns classified? Write the initial fluid therapy for a one year old child weighing 10 kg with 20% 2ND degree burns
3. Outline the management of dog bite in a four year old child.
4. Discuss the indications, procedure, advantages and disadvantages of ECMO. (2.5+2.5+2.5+2.5)
5. Describe the pathogenetic mechanism of injury in near drowning. Discuss the steps of initial resuscitation and subsequent hospital management.
6. What do you understand by child survival? What are the objectives? What factors are reasonable for achieving the goal of child survival?
7. Enumerate chief causes of neonatal mortality in India. Describe the current status in India and its status. Prepare a 5 year plan for reduction of neonatal mortality rate in your district.
8. Comment on Optional vaccines in detail.
9. Non-pharmacological methods in pain management in children
10. Gene Therapy in Children