

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - November 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. Debate the role of cardiotocograph in neonatal outcome.
2. Enumerate the causes for Persistent pulmonary hypertension in newborn (PPHN). Describe the clinical evaluation and management of PPHN. Marks - 2+3+5
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.
4. Describe development of diaphragm. Add a note on different types of congenital defects of diaphragm. Clinical manifestations, diagnosis and management of a baby suspected to be having congenital diaphragmatic hernia. Marks - 2+2+2+1+3
5. Enumerate the etiology of fetal or intrauterine growth retardation (IUGR). Describe the screening and diagnosis of IUGR.
6. A 3 day old home delivered boy (wt 1.45 kg, gestation 34 weeks) is brought to you with abnormal body movements and not accepting feeds. The child is cold to touch and capillary filling time is 5 sec. Outline the immediate, short term and long term management of this child.
7. Outline the normal bilirubin metabolism. Outline the principle of phototherapy for treatment of neonatal jaundice. List factors that influence the efficacy of phototherapy.
8. What are the etiological causes of Fetal Hypoxia? Write pathophysiology of Fetal Hypoxia. Describe stages of HIE
9. Discuss thermoregulation in newborn and measures to prevent hypothermia in a preterm baby.
10. Describe the surgical causes of Respiratory Difficulty in the newborn

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Paper - II

Paper Code : RS-3202

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LONG ESSAY

10 X 10 = 100

1. Describe the events of sexual development in relation to physical growth. Name the most important regulatory factors
2. what are the clinical features ^{of} Acute bronchiolitis in children. discuss the steps in management of acute bronchiolitis.
3. Describe clinical assessment, investigations, management and counselling of a 16 year old boy with constitutional delay in growth and puberty. Marks - 3+1+2+4
4. Discuss regarding etiology, clinical features and management of Nutritional recovery syndrome?
5. Discuss the management of 9m old infant presenting with sudden onset of acute breathlessness without any significant previous illness or symptoms.
6. Discuss the etiology, clinical features and management of Duchenne muscular dystrophy. (2+3+5)
7. Describe the autoregulation of cerebral blood flow. Discuss the pathogenesis and management of cerebral edema. (2+3+5)
8. Discuss etiology, clinical features and management of Von willebrand disease in children. (2+2+6)
9. Discuss thyroid hormone synthesis, clinical features and management of congenital hypothyroidism. (3+3+4)
10. Describe diagnostic criteria of Autism spectrum disorders and its management.

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Paper - III

Paper Code : RS-3203

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LONG ESSAY

10 X 10 = 100

1. What are the congenital heart diseases associated with cyanotic spells. Write clinical presentation and management of cyanotic spell.
2. Classify anti arrhythmic drugs used in children. Describe the mechanism of action and uses of Amiodarone.
3. Outline the approach to a child with gross ascites.
4. Discuss the etiology, pathogenesis, clinical features and management of crohn's diseases in children.
(2.5+2.5+2.5+ 2.5)
5. Outline the approach to a child with proteinuria.
6. What is nocturnal enuresis? Outline the causes for the same. Describe the modalities for managing a 6 year old child with enuresis.
7. Discuss management of a child with severe malaria?
8. Define biomedical waste. Describe its hazards. Outline modes of disposal of biomedical waste generated in a hospital setting.
9. Discuss Macrophage activation syndrome
10. Mention the Differential diagnosis of a child with chronic cough. Briefly mention its approach and management.

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Paper - IV

Paper Code : RS-3204

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LONG ESSAY

10 X 10 = 100

1. Discuss the management of a 3 year old unconscious child
2. Define septic shock. Describe the etiopathogenesis and clinical features in a 15 month old child presenting with septic shock.
3. Describe clinical features and management of Kerosene poisoning.
4. Describe the various pressures which are used or varied during mechanical ventilation. What is Cycling and Control in mechanical ventilator? Describe the differences in pressure controlled and volume controlled ventilation. Illustrate with suitable indication use of these forms of ventilation.
5. How will you assess that a 10 year old child who has fallen unconscious in front of you required basic life support. What are the steps for basic life support to such a child (as per American Heart Association Guidelines for CPR)
6. Discuss child maltreatment. What are the factors related with child abuse.
7. What measures can reduce Birth Rate in next 5 years
8. Discuss Hep A vaccine and Hep B vaccine.
9. 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.
10. Genetic counseling of a case of Down Syndrome