

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

M B B S Phase III Part II Examinations, Feb. 2024

Time: 180 Minutes

Max Marks: 80 Marks

Paediatrics QP CODE: C4111

Your answer should be specific to the question asked, Draw neat labeled diagrams wherever necessary

Long Essay $10 \times 2 = 20$ Marks

1. A 3kg term baby delivered with thick meconium stained liquor. What steps will you undertake before and during delivery for better neonatal outcome? The develops grunting after birth. What investigations will you undertake? How will you manage the baby? What are the complications that may develop?
2. Describe the etiopathogenesis, clinical features, complications and management of chicken pox in children. (2+2+3+3)

Short Essay $5 \times 12 = 60$ Marks

3. Describe the advantages and limitations of development screening. Enumerate any three developmental screening tests.
4. Enumerate common mental health problems during adolescence. Describe the salient features of the following mental health problems of adolescence: emotional problems; behavioral problems; scholastic issues; identity problems.
5. List the macronutrients and micronutrients required for growth. Describe the nutritional needs (calorie, protein, micronutrients minerals and vitamins) of an infant, children of different ages and adolescents of both genders. (2+3)
6. List the sociodemographic factors associated with vitamin D deficiency (VDD). Describe the prevalence and patterns of VDD and the role of screening for VDD in different groups (high-risk/population). (2+2+1)
7. Critically analyze the impact of NHM and other national health programs on maternal and child health.
8. Define Nephrotic syndrome? Enumerate the primary and secondary causes of Nephrotic syndrome and describe the pathophysiology of Idiopathic Nephrotic syndrome. (1+2+2)
9. Describe a hypercyanotic or "tet" spell and the pharmacological and non- pharmacological management of cyanotic spells in an infant with Tetralogy of Fallot. (2.5+2.5)
10. A 10-year-old girl weighing 25 kg suffering from jaundice for last 15 days is brought to hospital with c/o repeated vomiting and agitated behaviour since last night. O/E, deep icterus is present and there are large ecchymotic patches over buttocks. She appears confused and deep tendon reflexes are exaggerated. What investigations need to be done in this child? Outline the management protocol. (2+3)
11. Describe the clinical features and management pneumonia in children. (2+3)
12. Describe the etiopathogenesis and clinical features of auto-immune hemolytic anemia.
13. Enumerate the causes of congenital and acquired hypothyroidism in children. Describe the pathogenesis of hypothyroidism in children. (2+3)
14. What are the ethical issues regarding genetic counseling?

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M.B.B.S Phase-III (Part II) Degree examination Feb 2024

Time:3 hours

Max Marks:100

PEDIATRICS

*Your answer should be specific to the question asked
Draw neat and labeled diagrams wherever necessary*

LONG ESSAY

2 X 10 = 20 Marks

1. Classify Cyanotic congenital heart diseases. Describe the hemodynamics, clinical features and management of any ONE Condition. (1+3+3+3)
2. The height of a 5 year old boy is 75 cms and weighs 13kg. What is the diagnosis? Write a Plan to investigate and manage this child? (2+4+4)

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the clinical features and management of Hirschprung disease. (2+3)
4. Differentiate between simple febrile seizures and complex febrile seizures and outline the treatment of simple febrile seizures. (3+2)
5. Describe clinical features and investigations of a child with congenital hypothyroidism. (2+3)
6. Describe clinical features and treatment of breath holding spells. (2.5+2.5)
7. Explain the importance of assessment of bone age in children.
8. Describe complementary feeding.
9. Describe the clinical features and complications of measles.(2+3)
10. Describe types, clinical features and management of anorectal anomalies (1+2+2)
11. Define congestive cardiac failure (CCF). Enumerate the causes of CCF in infants (below 1 year of age). (2+3)
12. Describe the role of parent education in management of bronchial asthma.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Describe side effects of atropine.
14. Name vitamin-K dependent coagulation factors and anticoagulants .
15. Define cryptorchidism and mention the investigations required for diagnosis of the same. (1+2)
16. Enumerate 6 common intrauterine infections.
17. Enumerate 6 causes of cerebellar ataxia.
18. Mention 3 treatment options of upper gastrointestinal bleeding in children.
19. Describe 3 preventable causes of developmental delay.
20. Enumerate three causes of pica in children.
21. Describe the role of diuretics in the management of nephrotic syndrome.
22. Mention 6 causes of wheezing in children.

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Max Marks:100

PEDIATRICS

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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Classify Acyanotic congenital heart diseases. Describe the hemodynamics, clinical features and management of any ONE Condition. (1+3+3+3)
2. Describe the etiopathogenesis, clinical features and management of right upper lobe pneumonia. (3+3+4)
3. Define seizures and epilepsy. Describe the investigations and management of epilepsy in children. (2+3+5)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Describe the causes and management of delayed puberty in girls (2+3)
5. Describe the etiopathogenesis, clinical features and treatment of bronchiolitis. (2+1+2)
6. Describe the pathophysiology and prevention of Rh isoimmunisation. (3+2)
7. Mention atleast 5 drugs used in management of migraine headache in children along with the mechanism of action. (2.5+2.5)
8. Describe benefits of breast feeding to baby, mother and society. Enumerate relative and absolute contraindications of breast feeding.(3+2)
9. Describe the language developmental milestones from 6 months to 5 years.
10. Describe the clinical features and complications of measles.(2+3)
11. Classify Dehydration. Describe diarrhoea treatment Plan "C" . (2+3)
12. Mention the major criteria in Modified Jones criteria. Enumerate 3 differential diagnosis of any ONE criterion.
13. Describe causes,clinical features and management of pica in children. (2+1.5+1.5)
14. Describe the indications of hemopoietic stem cell transfusion.
15. Describe clinical features and management of anaphylactic shock (2+3)

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. List 6 causes of non-traumatic coma in children.
17. List 3 indications and side effects of furosemide in children. (1.5+1.5)
18. What is the age of intervention for a) cleft lip b) cleft palate c) umbilical hernia?.
19. Define Hyponatremia. List any 4 causes of Hyponatremia in children. (1+2)
20. Define encopresis. Mention causes of encopresis
21. Define trace element ? Enumerate 4 diseases caused by trace element deficiency.(1+2)
22. What is trisomy 18 otherwise known as? Describe the clinical features of Trisomy 18. (1+2)
23. Mention 3 roles of auxiliary nurse midwives in child health under Integrated Management of Neonatal and Childhood Illness (IMNCI).
24. Mention 3 adolescent vaccines with their dose, schedule and route of administration. (1+1+1)
25. List 6 indications of Renal Replacement therapy in children.