

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH

(A Deemed to be University)

M.B.B.S Phase III Part II Supplementary Examination April/May 2025

Time: 180 Minutes

Max Marks: 80 Marks

Paediatrics

QP CODE: C4111

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

Long Essay

2X10=20 Marks

1. A 5-year-old boy presented with complaints of defective vision at night. On examination, there was dryness of eyes with foam like silvery lesions over conjunctiva. What is the condition/disease and what is the cause of the condition/disease? Classify the disease according to WHO and describe its management and prevention. (1+1+3+3+2)

2. Describe various lab samples required for diagnosis of childhood TB, methods of collection of samples and their clinical significance. (various methods of lab diagnosis)

Short Essay

12X5=60 Marks

3. Describe the utility of Paediatric growth charts (WHO and Indian Standard Growth Charts) in assessment of growth.
4. Describe the psychological changes during adolescence (puberty).
5. Define small for gestational age (SGA) baby, mention its causes and complications associated with SGA babies.
6. Discuss the Clinical features of Transient Tachypnoea of New born.
7. Plan the management of a 6-year-old child with Nephrotic syndrome who is frequently relapsing.
8. Enumerate common causes of child abuse. Describe clinical presentations and medicolegal implications of child abuse. (1+2+2)
9. Discuss the diagnosis of asthma based on relevant clinical history, family history and physical examination. (2.5+2.5)
10. Classify haemophilia and describe the clinical features of haemophilia.
11. State the aetiology of Acute Lymphoblastic Leukaemia (ALL) in children and describe its clinical manifestations.
12. Enumerate causes and types of headache in children. Describe the clinical features of various types of headaches in children. (1.5+1.5+2)
13. Describe common socio-cultural issues and ethical issues related to healthcare in children.
14. What are the ethical issues regarding genetic counselling?

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M.B.B. S Phase-III (Part II) Supplementary Examination April/May 2025

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. Describe the factors that govern growth and development. Illustrate growth curves of nervous, lymphoid, somatic and gonadal tissues and organs. (3+3+4)
2. Describe etiology, clinical features and management of birth asphyxia (2+3+5)

SHORT ESSAY

10 X 5 = 50 Marks

3. Define microcephaly. Classify the causes of microcephaly. Describe the changes in Head circumference upto 1 year of age (1+2+2)
4. Describe the stages of hepatic encephalopathy and investigations of hepatic encephalopathy
5. Describe the role of corticosteroids in the management of nephrotic syndrome.
6. Describe the WHO and Indian Academy of Pediatrics (IAP) Growth Charts.
7. Describe the clinical features and complications of measles. (2+3)
8. Describe the route of administration, dose, site and complications of BCG vaccine. (1+1+1+2)
9. Define short stature. Classify the causes of short stature. (1+4)
10. Define Respiratory acidosis. Describe the clinical features and treatment of respiratory acidosis. (1+2+2)
11. Describe the diagnostic criteria and treatment of Kawasaki Disease. (3+2)
12. Describe clinical features and treatment of breath holding spells. (2.5+2.5)

SHORT ANSWERS

10 X 3 = 30 Marks

13. Describe principles of development.
14. Describe the cerebrospinal fluid (CSF) findings in acute bacterial meningitis.
15. Describe clinical features of rickettsial fever.
16. Mention 3 causes of neonatal hemolysis.
17. Mention three endocrine causes of obesity.
18. What is Anion Gap? List 3 causes of HIGH anion gap metabolic acidosis. (1+2)
19. Define nephrotic range proteinuria. Enumerate any 4 drugs used in the treatment of steroid resistant nephrotic syndrome. (1+2)
20. Mention the beneficiaries and services rendered under well baby clinic.
21. Mention 3 drugs used in the treatment of patent ductus arteriosus in neonates (PDA).
22. Mention Hutchinson's triad of congenital syphilis.

PEDIATRICS

Your answer should be specific to the question asked

Draw neat and labeled diagrams wherever necessary

LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Describe the factors that govern growth and development. Illustrate growth curves of nervous, lymphoid, somatic and gonadal tissues and organs. (3+3+4)
2. Define prematurity. Describe causes, clinical features, complications and management of a premature newborn infant (1+2+3+2+2)
3. Describe the etiopathogenesis, clinical features, complications and management of diphtheria. (3+2+2+3)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Describe etiological classification of shock. Describe treatment of hypovolemic shock in children (2+3)
5. Describe the composition of WHO LOW osmolarity oral rehydration solution (ORS). What is the physiological basis for oral rehydration therapy? (3+2)
6. Describe the dose, schedule, route of administration and side effects of rota virus vaccine (1+1+1+2).
7. Define neonatal mortality rate and mention the causes of neonatal mortality? (2+3)
8. Describe management of nocturnal enuresis in 8-year-old child.
9. Describe clinical features and complications of obstructive sleep apnea syndrome. (3+2)
10. Define marasmus and kwashiorkor. Write the differences between marasmus and kwashiorkor. (2+3)
11. Describe the steps of prevention of Sexually transmitted infections during Adolescent period.
12. Define birth asphyxia. Describe etiology and clinical features of birth asphyxia. (1+2+2)
13. Describe management and prevention of Japanese encephalitis. (3+2)
14. Describe the etiopathogenesis of sickle cell disease.
15. Define global developmental delay. Classify causes of developmental delay in children. (1+4)

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. Describe protective factors present in breast milk.
17. Mention the antidote for acetaminophen poisoning along with dosage.
18. Define small for gestational age (SGA) baby. Mention four causes of SGA. (1+2)
19. List 6 indications of corticosteroids in children.
20. Enumerate the clinical features of Congenital Hypertrophic Pyloric Stenosis.
21. Define thrombocytopenia. Mention 6 causes of thrombocytopenia in children. (1+2)
22. Classify the causes of congestive cardiac failure in children according to age.
23. Describe causes of delayed dentition.
24. Describe the cerebrospinal fluid (CSF) findings in acute bacterial meningitis.
25. Define adolescence. Describe adolescent health problems. (1+2)