

Question Paper

Exam Date & Time: 11-Apr-2025 (10:20 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD PROFESSIONAL YEAR MBBS PART - II DEGREE EXAMINATION - APRIL 2025

SUBJECT : PAEDIATRICS

(CBME SCHEME)

Marks: 80

Duration: 160 mins.

Answer all the questions.

Write Diagrams wherever necessary.

Long Essays:

1. A 2-year-old child was brought to the hospital for routine check up. On examination, child weighed 8.5 kgs with length of 76cms.

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| 1A) | Interpret the anthropometry of this child. | (2) |
| 1B) | Add a note on age independent anthropometric indices. | (2) |
| 1C) | Define Severe Acute Malnutrition. | (2) |
| 1D) | Write the clinical features and management of Severe Acute Malnutrition. | (4) |

2. A 3-year-old boy presents with complaints of delayed attainment of milestones. He was born prematurely at 32 weeks of gestation with history of birth asphyxia.

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| 2A) | What could be the likely diagnosis? | (1) |
| 2B) | Define the above condition. | (1) |
| 2C) | List the causes of the above condition. | (3) |
| 2D) | Add a note on the management of this child. | (3) |
| 2E) | Write the normal developmental milestones for a 3-year-old child. | (2) |

3. Short Essays:

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| 3A) | Write about Pneumococcal Conjugate Vaccine under following headings: type, dose, route of administration, schedule and indications. | (4) |
| 3B) | A 9-month-old baby presented with chronic fever and mild splenomegaly. Labs showed Hb 6 gm/dl, microcytic hypochromic anaemia. HPLC showed absence of HbA and elevation of HbF. What is the likely diagnosis? How will you treat this child?
(1+3 = 4 marks) | (4) |

- 3C) An 8-year-old girl presented with high grade fever with chills and rigor since 3 days. She also has severe headache, myalgia and fatigue. On examination, splenomegaly noted. She lives in an area with severe mosquito infestation. On blood investigations, peripheral smear showed small ring shaped parasites inside the RBCs. What is the likely diagnosis? Outline the management for this condition.
(1+3 = 4 marks) (4)
- 3D) List the complications of Tetralogy of Fallot. Write the management of Cyanotic Spells.
(2+2 = 4 marks) (4)
- 3E) A 5-year-old child presents to the emergency room with high grade fever since 2 days and 2 episodes of seizures since evening. On admission, child is in altered sensorium. MRI brain, lumbar puncture and EEG is advised. The parents are not willing for the lumbar puncture and refuse to give consent for further investigations as they believe this condition is due to spiritual reasons. How will you convince the parents for further treatment? Who has the right to decide on further treatment in case of conflict?
(2+2 = 4 marks) (4)
- 3F) A 6-year-old boy was admitted to the hospital with a history of vomiting since 2 days. He also had severe headache, lethargy, altered sensorium and one episode of convulsion. On examination his pulses were low volume and tachycardia was noted. On blood investigations his serum sodium levels were 118mEq/L. What is the diagnosis? How will you manage this child?
(1+3 = 4 marks) (4)
- 3G) List the advantages of breastfeeding? What are the reflexes associated with breastfeeding in the mother and the baby?
(2+2 = 4 marks) (4)
- 3H) A 3-month-old child presented with high grade fever, stridor, cough and hurried breathing since 2 days. Room air saturation is 89%. Chest x-ray is suggestive of bronchopneumonia on the right side. Write the classification of pneumonia according to IMNCI guidelines. Which category does this child fall into? Write the treatment plan for this child.
(1+1+2 = 4 marks) (4)
- 3I) Describe the physical and psychological changes during adolescence.
(2+2 = 4 marks) (4)
- 3J) A term neonate presents with seizures on day 3 of life. List 4 possible causes of neonatal seizures. What investigations will you do in this child?
(2+2 = 4 marks) (4)
- 3K) A 2-year-old boy presented to the emergency room with difficulty in breathing since morning. He had a barking type of cough and stridor at rest. What is the likely diagnosis? List two organisms causing this condition. Write the management of this condition.
(1+1+2 = 4 marks) (4)
- 3L) Write the clinical features and management of Organophosphate Poisoning.
(2+2 = 4 marks) (4)
- 3M) A 10-year-old boy presented with 8 episodes of loose stools and 3 episodes of vomiting since one day. On examination, he was confused, his pulse was low volume and BP was 90/50mmHG. What is the likely diagnosis? What is the treatment plan for this child?
(1+3 = 4 marks) (4)
- 3N) A 3-year-old boy presented with facial puffiness since 2 days and decreased urine output since 1 day. Urine analysis showed albumin (+++). Write the etiopathogenesis of this condition. How will you manage this child?
(2+2 = 4 marks) (4)
- 3O) Write the clinical features of hypothyroidism. Write a note on management.
(2+2 = 4 marks) (4)

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