

**Date: 13-02-2025**

**0225 E581**

**Final Year MBBS Examination**

**III MBBS Part 2 Pediatrics (New)**

**Time: 3 hours**

**Max Marks: 100**

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

## **Section 1**

**1. Write in detail (Any one out of two) LxL0-10 marks (10)**

**a) Enumerate Principles of growth and development. Mention fine motor/ adaptive,**

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receptive and expressive language development till 3 years. What are the screening tools for development till 6 years of age?

**b)** Define severe acute malnutrition. How do you manage 18 month old child with severe acute malnutrition presenting with decreased responsiveness?

## **2. Case based scenario/applied short notes**

**Any two out of three)) 2x6= 12 marks (12)**

**a)** 3 months old infant presented with a history of fever of 5 days and decreased feeding for 1 day. What are the differential diagnoses? Briefly discuss management

**b)** The 15 months old child was presented with loose stools for 3 days. Examination revealed impaired response, rapid & feeble pulse, doughy skin. His weight was 8 kgs and serum sodium was 165 mEq/L. Discuss the management.

**c)** How do you classify Vitamin A deficiency?

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How do you treat vitamin A deficiency in 10 month old infant weighing 5.5 Kg and not taking orally. Enumerate Vitamin A rich food and their vitamin A content.

**3. Write short notes (any three out of four) 3x6  
=18 marks (18)**

a) What is the Infant mortality rate? What are 5 most common causes of IMR in India? Discuss 3 preventable causes of IMR

b) Vaccination of un immunized coming at 15 months of age and whose creatinine is 2.5 mg/dL

c) Discuss about 6 year old child presenting with afebrile seizures and MRI of brain showing ring enhancing lesion

d) Laboratory diagnosis of Nutritional megaloblastic anemia in adolescent and its management

**4. Answer only in 23 sentences (Any five) (10)**

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- a) How do you calculate head circumference in first 2 years of life?
- b) Mention developmental age for standing with support putting an object to mouth, recognition of stranger, 2 meaningful words
- c) Normal bicarbonate level in infancy and formula to calculate PCO<sub>2</sub> in metabolic acidosis
- d) Define Type 2 respiratory failure. Mention 2 causes.
- e) Pneumococcal vaccination in immunization programme.
- f) Dose and safety of ibuprofen.

## Section 2

**5. Write in detail (Any one out of two) ix10 marks (10)**

- a) Define shock in neonate. How do you approach 3 day preterm neonate with low volume central
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pulse? Write briefly on managing sepsis.

**b)** Define perinatal asphyxia. Discuss the management and post discharge follow up.

**6. Case based scenario/applied short notes (Any two out of three) 2x6= 12 marks (12)**

**a)** A 4 year old child presenting with wheeze of 1 day and is unable to speak words. He had a similar history in the past. i. Write causes of recurrent wheeze in 4 year old child ii. How do you clinically classify severity in 4 year old iii. How do you manage status asthmaticus?

**b)** A 2 year old presents with decreased activity and pallor. i, What are the causes of pallor in a 2 year old child? ii. How do you manage the child with Hb-4gm/dl with microcytic hypo chromic in peripheral smear having no splenomegaly? iil, Write a Note on weekly iron and folic acid supplementation as outlined in Anemia Mukta Bharat Programme.

c) Write a note on pulse oximetry screening in neonate. Write on hemodynamics and management of Total Anomalous pulmonary venous return.

**7. Write short notes (any three out of four) 3x6  
=18 marks (18)**

- a) Diagnosis and management of post streptococcal glomerulonephritis
- b) Mention the clinical features of very severe pneumonia. Outline its management,
- c) Enumerate preventable causes of hearing loss. Write briefly on auditory screening in less than 1 year
- d) Drugs used in treatment of Congestive Cardiac failure.

**8. Answer only in 2-3 sentences (Any five out of six) 2x5=10 marks (10)**

- ~~a) Define hypoglycemia in neonate. How do you~~\_\_\_\_\_

- b) Mention 4 complications of intravenous immunoglobulin for GB syndrome.**
- c) Diagnostic criteria for Acute renal failure**
- d) Treatment of Leptospirosis in children**
- e) HPV vaccination**
- f) Treatment of Acute suppurative otitis media**

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