

All India Institute of Medical Sciences, Bhubaneswar
Department of Pediatrics
Pre-Professional Examination, November 2021
Total marks: 100 Duration: 3 hrs

A) 1 4a

Answer All Questions (Section A & B)

5a & b

Section A

1. A 3-year-old girl presented to the emergency department with complaints of fever for 3 days, headache, vomiting and irritability for 1 day and an episode of a generalized seizure 6 hrs prior to hospitalization. **(2+2+4+2)**
 - a) Enumerate the differential diagnoses for the above scenario?
 - b) How will you investigate this child?
 - c) Describe the management of this case.
 - d) Mention preventable strategies adopted as per the national program for such condition?
2. Write short notes on **(5x2=10)**
 - a) Neonatal screening for hypothyroidism
 - b) Sexual Maturity Rating (SMR) Scale
3. Classify Acute Kidney Injury (AKI) as per Kidney Disease Improving Global Outcomes (KDIGO). Outline the management a child with AKI? **(3+7)**
4. **(5X2=10)**
 - a) Outline the management of congestive cardiac failure.
 - b) Rastriya Bal Swasthya Karyakram (RBSK)
5. Write short notes on **(5X2=10)**
 - a) Chelation therapy in Thalassemia
 - b) Management of Immune Thrombocytopenic Purpura

A) 1

B) 1, 2a & b, 3a & b, 4 a & b

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Section B

1. A 3-month-old infant presented with complaints of fever for 2 days, cough for 1 day and hurried breathing from the morning of coming to the hospital. At assessment in the emergency department, the infant was tachypneic and had an oxygen saturation of 88% in room air. **(1+2+2+2+2+1)**
- What clinical possibilities will you consider?
 - Enumerate the aetiologies for the same?
 - What investigations will you carry out to establish your diagnosis?
 - How will you manage the baby?
 - What complication will you anticipate?
2. **(5X2=10)**
- What are the problems in breastfeeding? How will you manage them?
 - How will you manage a neonate presenting with hypoglycemia?
3. **(5X2=10)**
- Write short notes on early stimulation
 - How will you evaluate a child with short stature?
- 4.
- Outline the management of complicated malaria **(7.5)**
 - Enumerate the aetiology for neonatal cholestasis syndrome. Write down the multivitamin prescription for a child with neonatal cholestasis. **(2.5+5)**
5. What are the clinical features of hypocalcaemia? How will you manage a child with hypocalcaemia? **(2.5+2.5)**

A) 3, 4, 5a, (b) 1, 2, 3, 4, 6, 7a, 1c



All India Institute of Medical Sciences, Bhubaneswar

4th Professional MBBS Final Examination – 2021

Time: 3 Hrs.

Pediatrics

Max. Marks: 100

Instructions

Answer all the questions. Draw diagram wherever necessary. Use separate answer sheets for both Section A & B

Section - A

1. What are the clinical pictures of congenital hypothyroidism? How will you manage and follow up this case? (5+5)
2. How will you manage a case of snake bite with ptosis? (10)
3. What are the principles or laws of growth & development? (10)
4. Define severe acute malnutrition (SAM). Outline the management of a SAM child. (2+8)
5. Short notes on (5+5)
 - a) Iron chelation therapy in pediatrics
 - b) Rastriya Bal Surekhya Karyakaram (RBSK)

Section - B

1. Discuss the differential diagnosis and management of preterm neonate (30 weeks gestation) presenting with convulsion on day one of life. (2+8)
2. A five-year-old male child came to Pediatric OPD with complain of facial puffiness for five days. On examination the child was active with facial puffiness and bilateral pitting edema. Vitals were stable. Systemic examinations were normal. Bedside urine examination revealed proteinuria. What is the possible diagnosis? Outline the management. (1+4)
3. How will you manage cyanotic spell in a Tetralogy of Fallot child? (5)
4. How will you manage a case of dengue shock syndrome? (5)
5. Enumerate the causes of Hyperkalemia in children. How will you manage this case? (2+3)
6. Outline the management of febrile convulsion in a three-year-old male child. (5)
7. Short notes on (5+5+5)
 - a) Kangaroo Mother Care (KMC)
 - b) Vaccines for Adolescents
 - c) Comprehensive management of a spastic cerebral palsy child

(A) 1, 2, 4
(B) 6, 7, 8, 15



AKSHAY- V-21
Roll No: 06

All India Institute of Medical Sciences, Bhubaneswar
Batch - 2017 - 8th Semester - Improvement Exam

Time: 1½ hrs

Paediatrics

Max. Marks: 50

Instructions

Answer all the questions. Draw diagram wherever necessary.

Section - A

1. A 10-year-old boy presented with fever, pain and swelling of bilateral knee joints and ankle joints for 10 days with gradual onset body swelling and shortness of breath for 3 days. On examination, HR = 142 /min, RR = 26/min, SpO₂ - 95% in room air, fine crepitations on the lung bases, tender hepatomegaly with bilateral pitting edema and facial puffiness. Auscultation of the heart revealed a soft S1, blowing, pan systolic murmur, grade 3/6, radiating to the axilla.
 - (a) What is the most likely diagnosis? (1)
 - (b) How will you evaluate this patient? (3)
 - (c) Discuss the management and follow-up of this child. (6)
2. Differentiate bacterial, viral & tubercular meningitis based on laboratory features. (5)
3. Write a short note on the clinical features of congenital hypothyroidism. (5)
4. Enumerate the clinical features and laboratory findings that define severe malaria. (5)

Section - B

5. A 12-year-old girl with a history of recurrent cold, cough and breathlessness presented to the emergency department with fever, breathing difficulty and noisy breathing for 1 day. On examination, she had bilateral subcostal retractions; her temperature was 99.4°F, HR - 130/min, RR - 32/min with bilateral air entry markedly decreased and an audible wheeze.
 - (a) Discuss the management of this child. (5)
 - (b) Discuss the role of systemic steroids in such condition. (3)
 - (c) Discuss the follow-up of this child. (2)
6. Define frequent relapsing (FRNS) and steroid dependent nephrotic syndrome (SDNS). Write the management of a four-year-old child diagnosed with the 1st episode of nephrotic syndrome. (1+4)
7. Discuss the hemodynamics of atrial septal defect (ASD) (5)
8. Discuss the etiology and management of neonatal hypoglycaemia (2+3)



A) 1 abc, 2
B) 3 a b & c, 4

All India Institute of Medical Sciences, Bhubaneswar
Batch – 2017 – 8th Semester – End Semester Exam

Time: 2.5 Hrs

Paediatrics

Max. Marks: 50

Instructions

Answer all the questions. Draw diagram wherever necessary.

Use separate answer sheets for both Section-A & B.

Section – A

1. Write short notes on

- a. WHO Growth charts (5)
- b. Measles vaccination and scope for measles elimination (4+1)
- c. Clinical features and management of Rickets in child aged 6 years (3+2)

2. A 4-year-old male child presented with fever for 4 days, sudden loss of consciousness in the last 2 hrs. On examination there is pallor with a palpable spleen 3cm below costal margin. How will you approach the case, mention the most possible aetiology and how will you treat the child according to the possible aetiologies. (5+2+3)

Section – B

3. Write short notes on

- a. Neonatal hypoglycaemia. (5)
- b. the aetiology of acute hepatitis and the clinical course of acute viral hepatitis. (2+3)
- c. Discuss the possible pathogenesis, clinical presentation and management of Immune Thrombocytopenic Purpura. (1+2+2)

4. An 8 years old girl presented with history of fever, left knee pain for 10 days and difficulty in breathing for 1 day. There was a history of a sore throat about 2 weeks prior to this illness. Discuss the differential diagnosis and how will you confirm and treat this child. (2+5+3)
