



All India Institute of Medical Sciences, Kalyani

Fourth Professional MBBS Supplementary Examination, March 2024

Time: 3 Hrs.

Pediatrics

Marks: 100

INSTRUCTIONS:

- Answer all questions.
- Illustrate your answers with well labelled diagram wherever necessary.
- Answer each section in a separate answer book.

SECTION – A (50 MARKS)

1. A 3 days old term boy presented with jaundice extended up to palms and soles. The child is active, normothermic and feeding well. Mothers blood group is O-positive.
(2+4+2+2=10)
 - a. What are the probable causes of jaundice in this child?
 - b. How will you approach to manage this baby in your hospital?
 - c. How phototherapy helps in reducing hyperbilirubinemia?
 - d. What will you monitor in this baby, while on phototherapy?
2. Define Severe Acute Malnutrition. Write the clinical differences between Kwashiorkor and Marasmas. (2+3=5)
3. Classification of Vitamin A deficiency and treatment of a child with the same. (5)
4. Write down the CSF findings in various types of meningitis. (5)
5. Manage a 12 Kg child Anshu suffering from Acute Diarrhoeal Disease with Some Dehydration. (5)
6. Discuss management of cyanotic spell in children. (5)
7. Discuss stepwise management of severe acute malnutrition in children. (5)
8. What is mission Indradhanush? (5)
9. Five-year-old Anuradha presented with fever and burning micturition. What is the diagnosis? How will you confirm? What is the commonest etiological agent of this condition? Outline the treatment. (1+1+1+2=5)

SECTION – B (50 MARKS)

1. A 10-year-old boy presents to the emergency department with a headache, vomiting and neck stiffness for the past week. He has no past medical history and is up to date on all vaccinations. On examination, he is lethargic, febrile and has nuchal rigidity and positive kernig's sign. Cranial CT scan reveals basal exudates and hydrocephalus. (2+3+5=10)
 - a. Enumerate the differential diagnosis for the above scenario?
 - b. What changes would you expect in his CSF study?
 - c. Describe the management of this case.

 2. Five-year-old Seema presented with a low-grade fever for the last 1 months, with poor appetite and lethargy. Recently, her mother noticed some bluish spots over her thigh. On examination, she is pale with cervical lymphadenopathy and hepatosplenomegaly. Bony tenderness is present. (1+3+1=5)
 - a. What is your most likely diagnosis?
 - b. How will you investigate and confirm this?
 - c. Name one genetic condition which has a high risk for this.

 3. How will you provide chest compression in an infant according to BLS (Basic Life Support) protocol? What will the compression-to-ventilation ratio be in a single rescuer and two rescuers? What is an AED? (2+2+1=5)

 4. You are counselling the parents of a Down Syndrome child. They wanted to go for the next pregnancy. What is the recurrence rate? Name two modalities to confirm the diagnosis in utero. What is the POCSO Act? (1+2+2=5)

 5. Discuss clinical features of hypothyroidism in children. (5)
 6. Discuss X ray findings in rickets. (5)
 7. Write down the composition of breast milk and its types. (5)
 8. Mention the age-independent anthropometric indices. (5)
 9. How will you diagnose dengue fever in children? (5)
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