

# National Board of Examinations

**Question Paper Name :** Diploma Paediatrics Paper1  
**Subject Name :** Diploma Paediatrics Paper1  
**Duration :** 182  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0  
**Is Section Default? :** No

**Question Number : 1 Question Id : 32718745711 Consider As Subjective : Yes**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. a) Define hypernatremia and enumerate its causes. [4]  
b) How will you approach and manage a 2-year-old child with complaints of multiple episodes of loose stool and serum sodium of 162 mEq/L? [6]

**Question Number : 2 Question Id : 32718745712 Consider As Subjective : Yes**

Organophosphate poisoning:

- a) Etiopathogenesis. [3]  
b) Clinical features. [3]  
c) Management. [4]

**Question Number : 3 Question Id : 32718745713 Consider As Subjective : Yes**

Septic shock in children:

- a) Pathogenesis of septic shock. [3]
- b) Clinical features and management of septic shock. [3+4]

**Question Number : 4 Question Id : 32718745714 Consider As Subjective : Yes**

- a) Enlist the steps for conducting a meta-analysis. [5]
- b) Types of study designs. [5]

**Question Number : 5 Question Id : 32718745715 Consider As Subjective : Yes**

- a) Briefly explain the various thyroid function tests. [6]
- b) Neonatal screening for congenital hypothyroidism. [4]

**Question Number : 6 Question Id : 32718745716 Consider As Subjective : Yes**

Briefly discuss the diagnostic criteria and management of pediatric acute respiratory distress syndrome (ARDS). [5+5]

**Question Number : 7 Question Id : 32718745717 Consider As Subjective : Yes**

Briefly discuss the definition, diagnostic evaluation and management of late onset neonatal sepsis. [2+4+4]

**Question Number : 8 Question Id : 32718745718 Consider As Subjective : Yes**

- a) Describe the calcium metabolism in infants. [5]
- b) Draw the coagulation cascade and highlight the abnormality in hemophilia. [5]

**Question Number : 9 Question Id : 32718745719 Consider As Subjective : Yes**

A 6.5-months-old, exclusively breast fed child is brought to the OPD for health check up.

- a) How will you guide the mother regarding complementary feeding? [6]
- b) Advise for nutritional supplementation in infants as per national guidelines? [4]

**Question Number : 10 Question Id : 32718745720 Consider As Subjective : Yes**

Kangaroo mother care (KMC):

- a) Key features and eligibility for KMC. [2+2]
- b) Positioning, duration and when to stop KMC. [2+2+2]