

Winter-2022

MD (Pediatrics)

Paper 1: Basic Sciences as applied to Pediatrics

Day : Friday

Time : 01:30 PM-04:30 PM

Date : 16-12-2022

W-722-2022

Max. Marks : 100

N.B:

1. All questions are **compulsory**.
 2. Figures to the **right** indicate full marks.
 3. Neat diagrams must be drawn **wherever** necessary.
 4. Your answer will be valued as a whole.
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1. Describe the Coagulation cascade and discuss the management of hemophilia A
(15 Marks)

2. Discuss the calcium homeostasis in children. How you will investigate and manage a child with symptomatic hypocalcemia
(15 Marks)

3. Short notes on any **SEVEN**: **(10x7=70 Marks)**
 - a. Licensed Covid vaccines in a pediatric cohort in India
 - b. Hydroxyurea
 - c. Vaccination schedule of 6 years old child of ALL who is treated
 - d. Whole Genome Sequencing
 - e. Role of Growth charts
 - f. Opioids in pain management in children
 - g. The difference in the upper airway in children versus adults and its implications
 - h. Urine examination in suspected urinary tract infections