

M.D. (PAEDIATRICS) : WINTER - 2017

SUBJECT : PAPER – I: BASIC SCIENCES AS APPLIED TO PEDIATRICS

Day : **Saturday**
Date : **02/12/2017**

W-2017-3313

Time : **2.00 P.M. TO 5.00 P.M**
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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Long Questions:

[2 × 15 = 30 Marks]

Q.1 Describe the coagulation cascade and discuss the management of hemophilia A.

Q.2 Write in brief about the role of Vitamin D in health and disease. Discuss in brief how you will investigate and manage a child with rickets?

Q.3 Semi Long Questions (ANY SEVEN):

[7 × 10 = 70 Marks]

- a) Growth charts
- b) Genomic imprinting
- c) Anion gap
- d) Probiotics
- e) Role of opioids in pain management
- f) Cold chain
- g) Urine examination in suspected urinary tract infection
- h) Difference in upper airway in children versus adults

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