

D.C.H. (PAEDIATRICS) : SUMMER - 2018
SUBJECT: PAPER-I: BASIC SCIENCES AS APPLIED TO PEDIATRICS,
NEONATOLOGY AND COMMUNITY PEDIATRICS

Day : **Saturday**
Date : **02/06/2018**

S-2018-3450

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 x 15 = 30 marks)

- Q.1** Discuss calcium and vitamin D metabolism in brief. How will you differentiate between and manage Vitamin D deficiency and resistant rickets.
- Q.2** How do you differentiate glomerular from tubular proteinuria? Define and discuss in brief the modalities of management of steroid resistant nephrotic syndrome.

Q.3 Semi Long questions (Any Seven)

(7 x 10 = 70 marks)

- a) Usefulness of Zinc supplementation in diarrhea.
- b) Importance of Radionuclide scans in Pediatric diseases.
- c) What are the newer trends in management of hypoxic ischemic encephalopathy in a newborn?
- d) Infections and immune complications of blood transfusions in children and its prevention.
- e) What is Anion gap? How is it useful in clinical practice?
- f) ECG changes in electrolyte disturbances.
- g) Briefly describe the clinical features and management of congenital rubella infection in an infant.
- h) Justify the need of Cord blood screening for Metabolic disorders.

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