

M.D. (Paediatrics) : WINTER - 2018
SUBJECT: PAPER-I: BASIC SCIENCES AS APPLIED TO PEDIATRICS

Day : Saturday
Date : 01/12/2018

Time : 2.00 P.M. TO 5.00 P.M
Max. Marks: 100.

W-2018-3539

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.
-

Long Questions:

(2 x 15 = 30 marks)

- Q.1** Write the developmental basis of Neural Tube Defects. How can they be diagnosed antenatally?
- Q.2** Describe the juxtaglomerular apparatus and the mechanism of renal autoregulation for maintenance of glomerular filtration rate. Outline the management of a child with acute kidney injury.

Q.3 Semi Long questions (Any Seven)

(7 x 10 = 70 marks)

- a) Write treatment plan for a child with Kerosene poisoning.
- b) Utility of Red Blood Cell indices in diagnosis of childhood diseases.
- c) Principles and use of Pulse Oxymetry.
- d) Utility of X-ray chest and Electrocardiogram in diagnosis of Congenital Heart Disease.
- e) Diagnosis and management of childhood migraine.
- f) Principles of Growth and Development.
- g) Discuss ECG changes in Digitalis toxicity and write its treatment.
- h) Liver function tests in Pediatric practice.

* * *