

**M.D. (Paediatrics) : SUMMER - 2019**  
**SUBJECT : PAPER – I : BASIC SCIENCES AS APPLIED TO PAEDIATRICS**

Day : Saturday  
Date : 01/06/2019

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

**S-2019-3809**

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**N.B.**

- 1) All questions are **COMPULSORY**.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw neat and labelled diagrams wherever necessary.
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Long Questions ( 2 x 15 = 30 Marks)

**Q.1** Discuss sodium and potassium metabolism. Enumerate condition which causes hypokalemia and hyperkalemia and how do you treat.

**Q.2** What do you understand by Antibiotic Stewardship Programme? Steps you will take to implement it.

**Q.3** Semi Long Questions (**ANY SEVEN**) (7 x 10 = 70 Marks)

- a) Breast Milk Banking: Is it needed.
- b) Dual Marker
- c) Principle of MRI Imaging and usability in Paediatrics.
- d) RBC picture of Megaloblastic Anaemia.
- e) FISH
- f) Gene Expert Test
- g) Karyotyping
- h) Principle of Conjugate Vaccine

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