

**QP Code:101183**

**Reg.No:.....**

**P G Diploma Supplementary Examination in Diploma in Child Health  
(DCH) – November 2017**

**Paper I –Basic Sciences as Applied to Paediatrics**

**Time: 3 Hrs**

**Max Marks: 100**

- *Answer all questions*
- *Draw diagram wherever necessary*

**Essay:**

**(20)**

1. Describe the development of the foetal lung including production, composition and function of the surfactant. Correlate the underlying pathophysiology of the clinical manifestations and investigations in respiratory distress syndrome seen in prematurity.

**Short Essays:**

**(8x10=80)**

2. Antibiotic stewardship
3. Professionalism in practice
4. Sleep hygiene practices
5. Pathophysiology of asthma
6. Peripheral blood smear in childhood disorders
7. Research study designs
8. Pathophysiology of diabetic ketoacidosis
9. Total body water and the regulation of osmolality

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