



**RAN-4140**

**DCH Examination**

**March / April - 2019**

**Paediatrics Paper-1**

**(Basic Science & Neonatology)**

**Time: 3 Hours ]**

**[ Total Marks: 100**

**सूचना : / Instructions**

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **DCH**

Name of the Subject :

☛ **Paediatrics Paper-1 (Basic Science & Neonatology)**

Subject Code No.:

Seat No.:

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Student's Signature

1. Describe foetal circulation. Discuss the pathophysiology of persistent pulmonary hypertension in new-born? **(20)**
2. A 41 week/3500 gram/LFD/M is born by difficult delivery due to shoulder dystocia. Infant didn't cry immediately after birth and required 15 minutes of positive pressure ventilation. The cord pH was 7.00 with base deficit of -15. The infant shows signa of HIE stage II. **(20)**
  - a. Which staging system will you use to grade hypoxic-ischemic encephalopathy?
  - b. Write its four most important components?
  - c. Write four important principles in the management of neonate with HIE?
  - d. Does this infant qualifies for therapeutic hypothermia?

**3. Write short not on: (10 marks each)**

**(60)**

- A. Intra-uterine growth retardation
  - B. Hypothermia in newborn
  - C. Metabolic acidosis in children
  - D. Mile stones in two years old children
  - E. Growth charts in paediatrics
  - F. Microcephaly
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