



**DL-4936**

Seat No. \_\_\_\_\_

**D. C. H. (Pediatrics) Examination**

**March / April - 2022**

**Applied Basic Sciences : Paper-I**

Time : 3 Hours]

[Total Marks : 100

- Instructions :**
- (1) Each of the following question carries ten(10) marks each. Marks in brackets with question suggest scheme of marking of each component of question.
  - (2) Time limits for the paper writing is 3 hours.

- 1 Explain Iron absorption physiology. Write in brief about oral iron chelators currently available for use in thalassemia patients. **5+5**
- 2 Define neutropenia, enumerate causes of neutropenia. **1+3+6**  
Write management of a patient of acute lymphoblastic leukemia having febrile neutropenia.
- 3 Write in brief about Processes & Protocols for asepsis, disinfection & Sterilization in Neonatal & Pediatric Intensive Care areas. **3+4+3**
- 4 Explain Oxygen Dissociation Curve and its implications in pediatric practice with examples. **10**

- 5 Draw a complete optic pathway with adequate illustration and naming. Write in brief about management of retinopathy of prematurity. **5+5**
- 6 Write in brief about management of covid-19 in children & its prevention. **7+3**
- 7 Write in brief about rational empirical antibiotic therapy. **10**
- 8 Define Hypoglycemia for neonates & write in brief about Hyper-insulinemic Hypoglycemia in neonates. **2+8**
- 9 Write in brief about pathophysiology of shock & write management of septic shock in infancy. **5+5**
- 10 Write in brief about pathophysiology, causes, clinical features & management of hydrocephalus. **2+3+2+3**
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