

# Rajiv Gandhi University of Health Sciences, Karnataka

## Fellowship Examination - 13-Feb-2024

**Time: Three Hours****Max. Marks: 100****NEONATAL INTENSIVE CARE - PAPER – I****QP Code: 4195**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**Answer All The Questions****10 X 10 = 100 Marks**

1. A fourteen day old infant presents with increasing jaundice. Outline the causes, approach to diagnosis and management of this infant
2. Write ILAE classification of neonatal seizures and write an algorithm of neonatal seizure management
3. Define Perinatal SARS COV-2 infection. Why are newborns less prone to SARS COV2 infection? Describe various practices to prevent perinatal transmission
4. Enumerate the causes and discuss the diagnostic approach to a case of obstructive uropathy
5. Discuss the antenatal markers of chromosomal disorders in fetus
6. What is biophysical profile? Discuss the modalities to assess fetal well being
7. A 7 day old term baby with birth weight of 3.0 kg, presents with current weight of 2.1 kg with a serum sodium of 170 meq/l. Discuss fluid management of this baby for the next 5 days
8. Write short notes on
  - a) Development assessment scales for Indian Infants (DASII)
  - b) Human milk banking
9.
  - a) Explain the physiology of transition from fetal to neonatal circulation
  - b) Pathophysiology of persistent pulmonary hypertension
10. Define chronic lung disease in preterm babies and enumerate strategies to prevent chronic lung disease with supporting evidence

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