

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(DCH 1224)

**DECEMBER 2024
(OCTOBER 2024 EXAM SESSION)**

Sub. Code: 4013

DIPLOMA IN PAEDIATRICS (DCH) EXAMINATION

PAPER I – BASIC SCIENCES AND NEONATOLOGY

Q. P. Code: 344013

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate the commonly used anticonvulsants in children. Discuss in detail their dosage, indications, and adverse effects.
2. Define neonatal cholestasis. Discuss in detail its causes, clinical features, and management.

II. Write notes on:

(10 x 7 = 70)

1. Porto-systemic shunt.
2. Iron chelating drugs.
3. Physiology of jugular venous pulse.
4. Lab diagnosis of dengue infection.
5. Coomb's test.
6. Retinopathy of prematurity.
7. Comprehensive Lactation Management Center.
8. Surfactant.
9. Diaphragmatic hernia.
10. Management of hypothermia in neonates.

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(DCH 1025]

OCTOBER 2025

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Q. P. Code: 344013

Time: Three Hours

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I. Elaborate on:

(2 x 15 = 30)

1. Discuss the course of Facial nerve with diagram. Explain in detail various causes of Facial nerve palsy and clinical features of Facial nerve palsy in Upper motor and Lower motor neuron lesions.
2. 3 days old neonate was admitted with complaints of seizures. Discuss in detail the different types of neonatal seizures, approach to a neonate with seizure and management of neonatal seizure.

II. Write notes on:

(10 x 7 = 70)

1. Home based new born care.
2. Explain Coagulation cascade. Differences between platelet disorder and coagulation disorder.
3. Clinical features and management of Paracetamol poisoning.
4. Thyroid screening in neonate.
5. Karyotyping.
6. Differentiate between exudative and transudative pleural effusion.
7. Steroid sparing drugs in management of Nephrotic syndrome.
8. List out types of shock. Explain the pathogenesis of septic shock.
9. Enzyme deficiency, clinical features and management in Galactosemia.
10. Follow up plan for High-risk neonate.
