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

[MD 0524] **MAY 2024** **Sub. Code: 4022**

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

PAPER II – NEONATOLOGY AND COMMUNITY PAEDIATRICS

Q.P. Code: 204022

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss etiology, pathogenesis and management of persistent pulmonary hypertension in newborn.

2. Etiology of iron deficiency in children and describe the clinical features and approach to diagnosis of a child suspected of having nutritional anemia.

II. Write notes on: **(10 x 7 = 70)**

1. Immediate and late problems due to low birth weight.
2. Role of pediatrician in child adoption.
3. Indian Newborn Action Plan. (INAP).
4. Outline long term complications of thalassemia major.
5. Human milk bank.
6. Intra uterine growth retardation.
7. National iodine deficiency control programme.
8. Late onset metabolic acidosis newborn.
9. Child abuse.
10. Home based newborn care.

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

[MD 1224] **DECEMBER 2024** **Sub. Code: 4022**

(OCTOBER 2024 EXAM SESSION)

M.D. DEGREE EXAMINATION

PAEDIATRICS

PAPER II – NEONATOLOGY AND COMMUNITY PAEDIATRICS

Q.P. Code: 204022

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

(3+5+5+2)

1. Enumerate the causes of respiratory distress in a neonate. Discuss the clinical features and management including prevention of a neonate with respiratory distress syndrome.

(3+5+7)

2. Define Adverse Events Following Immunization. Describe the types and plan of action at various levels in AEFI.

II. Write notes on: **(10 x 7 = 70)**

1. POCSO Act.
2. MusQan Initiative.
3. Haemophilia Prophylaxis Program.
4. Steps taken by Nation Health Mission to reduce Neonatal Mortality.
5. Rational Antibiotic Therapy in NICU.
6. Therapeutic Hypothermia and neuroprotection strategies.
7. Assessment, intervention and prevention of suicide in children.
8. National Strategic plan to end tuberculosis by 2025.
9. Kangaroo Mother Care – Procedure, eligibility and benefits.
10. Various modalities of respiratory support for neonates.

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

[MD 0525] **MAY 2025** **Sub. Code: 4022**

M.D. DEGREE EXAMINATION

PAEDIATRICS

PAPER II – NEONATOLOGY AND COMMUNITY PAEDIATRICS

Q.P. Code: 204022

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Define Apnoea. Describe your approach and management of a pre-term neonate presenting with apnoea on day three of life.

2. Discuss the adolescent health challenges in the community. Enumerate the role of community pediatrician in prevention and management of those challenges.

II. Write notes on: **(10 x 7 = 70)**

1. Rashtriya Kishor Swasthya Karyakram (RKSK).
2. Follow-up of high-risk neonate.
3. National Sickle Cell anemia Elimination Mission.
4. Pulse oximetry screening test in newborn.
5. Internet de-addiction clinic.
6. Neonatal seizures.
7. NIS (National Immunization Schedule).
8. Foetal medical therapy.
9. Abuse in adolescence.
10. Neuroprotective strategies used in central nervous system injuries of neonates.

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

[MD 1025] **OCTOBER 2025** **Sub. Code: 4022**

M.D. DEGREE EXAMINATION

PAEDIATRICS

PAPER II – NEONATOLOGY AND COMMUNITY PAEDIATRICS

Q.P. Code: 204022

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the post-resuscitation stabilization, monitoring and management of Asphyxiated newborn.

2. Define Acute Flaccid Paralysis. Elaborate on Acute Flaccid Paralysis Surveillance Programme.

II. Write notes on: **(10 x 7 = 70)**

1. POSHAN Abhiyaan.
2. Foetal soft markers in ante-natal ultrasound.
3. IMNCI.
4. Neonatal Reflexes.
5. Impact of screen time on child health.
6. Varicella infection in neonates.
7. NHM (National Health Mission) – vision, goals and strategies.
8. Bronchopulmonary dysplasia.
9. Nutrition Rehabilitation Centre.
10. Complications and management of Post-term neonate.

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

[MD 0526] **MAY 2026** **Sub. Code: 4022**

M.D. DEGREE EXAMINATION

PAEDIATRICS

PAPER II – NEONATOLOGY AND COMMUNITY PAEDIATRICS

Q.P. Code: 204022

Time: Three Hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Define Hypoxic ischemic encephalopathy in neonates and outline its treatment protocol.

2. WHO criteria for severe malaria and discuss management of child with cerebral malaria.

II. Write notes on: **(10 x 7 = 70)**

1. Outline the DUKE criteria for bacterial endocarditis.
2. APGAR SCORE.
3. Psycho-social problems of female children in India.
4. Anemia of Prematurity.
5. Battered baby syndrome.
6. Congenital nephrosis.
7. Management of worm infestation in children.
8. Symptomatic PDA in newborn.
9. Congenital hypothyroidism.
10. Diagnosis of delayed puberty in male.

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