

April-2001

[KD 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

Branch VII — Paediatrics

(Revised Regulations)

Part II

Paper II — NEONATOLOGY, DEVELOPMENTAL
PAEDIATRICS, PREVENTIVE AND SOCIAL
PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the factors that predispose a new born sepsis. Outline the causes, diagnosis, management and prevention of Intrauterine infection. (25)
 2. How do you prevent the common vitamins deficiencies in children? (25)
 3. Write notes on : (5 × 10 = 50)
 - (a) Baby Friendly Hospital Initiative.
 - (b) Prevention of birth injuries.
 - (c) Weaning foods.
 - (d) Albendazole.
 - (e) Growth chart.
-

November-2001

[KE 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Paediatrics

Part II

Paper II — NEONATOLOGY, DEVELOPMENTAL
PAEDIATRICS AND PREVENTIVE AND SOCIAL
PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the causes and strategies to reduce perinatal mortality in India. (25)
 2. Approach to a bleeding neonate. (25)
 3. Write notes on : (5 × 10 = 50)
 - (a) Anaemia prophylaxis programme in India.
 - (b) Congenital Biliary Atresia.
 - (c) High risk clinic.
 - (d) CPAP in New born.
 - (e) Recent advances in oral rehydration solution.
-

March-2002

[KG 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Paediatrics

Part II

Paper II — NEONATOLOGY, DEVELOPMENTAL
PAEDIATRICS, PREVENTIVE AND SOCIAL
PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the clinical evaluation investigative work-up and management of a ten day old neonate presenting with fever, vomiting and refusal to take feeds. (25)
 2. Define the objectives of conducting a "High risk newborn" follow up clinic. Discuss the method of recognising early signs pointing to development of cerebral palsy. (25)
 3. Write notes on : (5 × 10 = 50)
 - (a) Prevention of Mental Retardation.
 - (b) "Harlequin" baby.
 - (c) Female infanticide.
 - (d) Rickets of prematurity
 - (e) Role of "Free radical" scavengers in neonates.
-

September-2002

[KH 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Paediatrics

Part II

Paper II — NEONATOLOGY, DEVELOPMENTAL
PAEDIATRICS AND PREVENTIVE AND SOCIAL
PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the normal growth and development from birth to one year of life. Mention the cause for the delayed development and describe the prevention of developmental retardation. (25)
 2. Describe the physiology of birth asphyxia and its management. (25)
 3. Write notes on : (5 × 10 = 50)
 - (a) Enuresis
 - (b) Exchange transfusion
 - (c) Thermometered Environmental temperature for the new born babies
 - (d) Immunization schedule
 - (e) Down's syndrome.
-

April-2003

[KI 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Paediatrics

Part II

Paper II — NEONATOLOGY, DEVELOPMENTAL
PAEDIATRICS AND PREVENTIVE AND SOCIAL
PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the common problems and management of premature babies. (25)
 2. Describe the causes of Neonatal Mortality and measure to reduce the neonatal mortality. (25)
 3. Write notes on : (5 × 10 = 50)
 - (a) Bleeding in the new born
 - (b) Physiological jaundice
 - (c) Neonatal seizures
 - (d) Temper Tantrums
 - (e) Advantages of breast feeding.
-

[KJ 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Paediatrics

Part II

**Paper II — NEONATOLOGY, DEVELOPMENTAL
PAEDIATRICS AND PREVENTIVE AND SOCIAL
PAEDIATRICS**

Time : Three hours , Maximum : 100 marks

Theory : Two hours and forty minutes Theory : 80 marks

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

MCQ must be answered **SEPARATELY** on the
Answer Sheet provided as per the instructions on the
first page.

Answer ALL questions.

Draw suitable diagram wherever necessary.

1. (a) Define Adolescence. Discuss the etiology,
investigation and management of Obesity in
Adolescents.

(b) Discuss the Types, Complications and
Management of Twins. (2 × 15 = 30)

2. (a) Integrated Management of Childhood Illness
(IMCI).

(b) Baby Friendly Hospital.

(c) Principles of Genetic Counselling.

(d) Diagnosis and Management of Primary
Pulmonary Hypertension in a Newborn.

(e) Non-cardiac causes of CCF in a neonate.

(f) Attention Deficit Hyperactive Disorder.

(g) Surfactant Therapy.

(h) Antenatal Monitoring of Foetal Well-being.

(i) Sexual Maturity Rate – Staging in Boys and
Girls.

(j) Describe various birth injuries and
management of Intracranial Bleed. (10 × 5 = 50)

[KM 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Paediatrics

Part II

Paper II — NEONATOLOGY, DEVELOPMENTAL
PAEDIATRICS AND PREVENTIVE AND SOCIAL
PAEDIATRICS

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Describe in brief the physiology of the first breath of life in a newborn. Outline the management of respiratory distress syndrome.

(2) Discuss pulse polio immunization programme.

II. Write short notes : (10 × 5 = 50)

- (a) Outreach programmes
- (b) Child labour
- (c) Autism
- (d) Neonatal thrombocytopenia
- (e) Foetal biophysical profile
- (f) Secular growth
- (g) Etiology of pulmonary haemorrhage in the newborn
- (h) Neonatal cholestasis syndrome
- (i) Vit. D resistant rickets
- (j) Importance of trace metals.

[KO 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

Branch VII — Paediatrics

NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS
AND PREVENTIVE AND SOCIAL PAEDIATRICS

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay : (2 × 15 = 30)

(1) Discuss Bilirubin metabolism in neonates.
Define Hyperbilirubinemia, etiology, clinical features
investigations workup and management of
hyperbilirubinemia.

(2) Define BMI, Obesity – Adolescent.

II. Write short notes on : (10 × 5 = 50)

(a) Surfactant therapy.

(b) Patent ductus arteriosus in a premature
child.

(c) Adoption.

(d) Rabies vaccine.

(e) Reproductive child health programme.

(f) Hypothermia.

(g) National tuberculosis control programme.

(h) Meningococcal vaccine.

(i) Street children.

(j) SMR – Sexual Maturity Rating.

[KP 138]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Paediatrics

Part II

**Paper II — NEONATOLOGY, DEVELOPMENTAL
PAEDIATRICS AND PREVENTIVE AND SOCIAL
PAEDIATRICS**

Time : Three hours Maximum : 100 marks

Theory : Two hours and forty minutes	Theory : 80 marks
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M.C.Q. : Twenty minutes **M.C.Q. : 20 marks**

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Describe the etiology, patho physiology, clinical manifestation and management of Hypoxic Ischaemic encephalopathy of the neonate. (20)

(2) Describe the etiology, pathogenesis, clinical manifestation and management of mental retardation in children and its prevention. (15)

(3) Discuss a comprehensive management of congenital diaphragmatic hernia. (15)

II. Write short notes : (6 × 5 = 30)

(a) Fragile $\times$ Syndrome

(b) **Transient Tachypnoea of New Born**

(c) Cephalohaematoma

(d) Management of infant born the diabetic mother

(e) **Failure to thrive**

(f) **Teratogens.**

[KQ 129]

Sub. Code : 2035

M.D. DEGREE EXAMINATION.

Branch VII — Paediatrics

**NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Common to :

Part II — Paper II — (Old/New/Revised Regulations)

(Candidates admitted from 1988-89 onwards)

And

**Paper III — (for Candidates admitted from
2004-2005 onwards)**

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Discuss in detail the measures to prevent neonatal infection in labour room, post natal ward and neonatal nursery and at home. (20)

(2) Discuss Haemophilous influenza infection in infancy and childhood. Their complications and management and its prevention. (15)

(3) Outline the heart development and various congenital cardiac defects (A cyanotic) outline the fetal circulation with the help of diagram, management of heart failure in an infant. (15)

II. Short notes : (6 × 5 = 30)

- (a) Neonatal problem in Down's syndrome
- (b) Ponderal Index interpretation
- (c) Prenatal Diagnosis of Duchenne Muscular Dystrophy
- (d) "Infantile Tremor Syndrome"
- (e) Catch up growth
- (f) GOBIFF.

[KR 133]

Sub. Code : 2029

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — PAEDIATRICS

Part — II

**Paper III — NEONATOLOGY, DEVELOPMENTAL
PEDIATRICS AND PREVENTIVE AND SOCIAL
PEDIATRICS**

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

1. Describe the aetiology, pathophysiology, clinical manifestation and management of hyaline membrane disease (HMD). (20)
2. Describe the aetiology, investigation and management of intra-uterine infection. (15)
3. Discuss Bilirubin metabolism in neonates. Define Hyperbilirubinemia, aetiology, clinical features investigations workup and management of Hyperbilirubinemia. (15)

II. Write short notes :

(6 × 5 = 30)

- (a) Erythroblastosis fetalis.
- (b) Persistent fetal circulation.
- (c) Management of mental retardation and its prevention.
- (d) Linguistic delay.
- (e) Indication for audiological evaluation.
- (f) Autistic disorder.

MARCH 2008

[KS 132]

Sub. Code : 2028

M.D. DEGREE EXAMINATION.

(Revised Regulations)

Branch VII — Paediatrics

(Part II — Paper II for candidates admitted
upto 2003–04)

(Paper III for candidates admitted from 2004–05)

NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS AND
PREVENTIVE AND SOCIAL PAEDIATRICS

Q.P. Code : 202028

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Essay : (2 × 20 = 40)
1. How will you approach evaluate and manage a bleeding neonate?
 2. Discuss the preventable causes of mental retardation and the strategies to prevent them.
- II. Write Short notes : (10 × 6 = 60)
1. High frequency ventilation
 2. Perinatal mortality
 3. Cold chain maintenance
 4. Surfactant therapy
 5. Baby friendly hospitals
 6. Classification of cerebral palsy
 7. Autistic disorders
 8. Newer vaccines
 9. Under five clinic
 10. Kangaroo mother care.
-

September 2008

[KT 132]

Sub. Code: 2028

M.D. DEGREE EXAMINATION

Branch VII – Paediatrics

**Paper III - NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS
PREVENTIVE AND SOCIAL PAEDIATRICS**

(For candidates admitted from 2004-2005 onwards)

Q.P. Code : 202028

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. A three days old child brought to you with jaundice. How will you approach, evaluate and manage?
2. A two years old child brought to you with delayed mile stones. How will you approach, evaluate and manage? Add a note on preventable causes.

II. Write short notes on :

(10 X 6 = 60)

1. SMR (Sexual Maturation Rate).
 2. Situational disorders in children.
 3. Screening tests for newborn.
 4. RCH programme.
 5. Congenital rubella syndrome and prevention.
 6. RNTCP utilization in paediatrics.
 7. Surfactant therapy.
 8. Intraosseous fluid therapy.
 9. Congenital adrenal hyperplasia.
 10. Late onset septicemia.
-

March 2009

[KU 132]

Sub. Code: 2028

M.D. DEGREE EXAMINATION

Branch VII – PAEDIATRICS

**(For candidates admitted upto 2003-2004 and
candidates admitted from 2004-2005 to 2007-2008)**

**Paper III - NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code : 202028

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

1. A neonate referred to the emergency with the history of bleeding. How will you approach, evaluate and manage the case?
2. A 4 year child was brought with a history of not attained walking and no language development. Discuss the differential diagnosis and management.

II. Write short notes on : (10 x 6 = 60)

1. Role of vitamin A in child health.
2. Anemia of prematurity.
3. Total parenteral nutrition (TPN).
4. Causes and prevention of infant mortality rate (IMR).
5. Causes and management of prolonged jaundice in the newborn.
6. Rights of the child.
7. Juvenile delinquency.
8. Uses of percentile charts in growth and development.
9. Pneumococcal vaccine.
10. Role of a pediatrician in the prevention of child labour.

September 2009

[KV 132]

Sub. Code: 2028

M.D. DEGREE EXAMINATION

Branch VII – PAEDIATRICS

**(For candidates admitted upto 2003-2004 and
candidates admitted from 2004-2005 to 2007-2008)**

**Paper III - NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code : 202028

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

1. Describe fetal circulation. Discuss the aetiology, diagnosis and management of persistent pulmonary hypertension.
2. Discuss the differential diagnosis of acute flaccid paralysis. Write in detail on acute flaccid paralysis surveillance.

II. Write short notes on : (10 x 6 = 60)

1. Infant mortality rate.
2. Feeding problems in late preterm infant.
3. Prevention of hypothermia in newborn.
4. Resuscitation of babies born preterm.
5. Transport of sick neonates.
6. Ethical principles of neonatal resuscitation.
7. Retinopathy of prematurity.
8. Pulmonary hemorrhage.
9. Congenital malaria.
10. Perinatal HIV infection.

March 2010

[KW 132]

Sub. Code: 2028

M.D. DEGREE EXAMINATION

Branch VII – PAEDIATRICS

**Paper III – (for candidates admitted from 2004-2005 to 2007-2008) and
Part II / Paper II – (for candidates admitted from 2008-2009 onwards)**

**NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code : 202028

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary

Answer ALL questions

I. Essay questions : (2 x 20 = 40)

1. Discuss the differential diagnosis, clinical and laboratory evaluation and management of bleeding from umbilicus in a three weeks old neonate.
2. Mention the components of RCH programme with reference to child health care. What measures are to be taken on priority basis to bring down neonatal mortality in India?

II. Write short notes on : (10 x 6 = 60)

1. Diagnostic criteria for broncho-pulmonary dysplasia.
2. Jaundice risk factors for neonatal hyperbilirubinemia.
3. Congenital omphalocele.
4. Play therapy.
5. National nutritional programmes.
6. Autism.
7. Causes of preventable blindness.
8. Encopresis.
9. Child labour.
10. Classification of pneumonia as per ARI control programme.

M.D. DEGREE EXAMINATION

Branch VII – PAEDIATRICS

**NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

**Paper III – (for candidates admitted from 2004-2005 to 2007-2008) and
Part II - Paper II – (for candidates admitted from 2008-2009 onwards)**

Q.P. Code : 202028

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. What is high-risk pregnancy? List the factors responsible for perinatal mortality and describe the current strategy to reduce perinatal mortality in India.
2. What are causes of developmental delay? Describe etiology, classification, clinical features, diagnosis and treatment dyslexia.

II. Write short notes on :

(10 X 6 = 60)

1. Five stages of newborn care.
2. Kangaroo Mother Care (KMC).
3. Staging of hypoxic-ischaemic encephalopathy (HIE).
4. Perinatal AIDS.
5. Under-fives clinics including its symbol.
6. Health hazards in child labour.
7. Prevention of accidents in infants and children.
8. Integrated management of neonatal and childhood illness (IMNCI) strategy.
9. Television and the child.
10. Hysterical Conversion Reaction (HCR).

MAY 2011

[KY 132]

Sub. Code: 2028

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS
NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code : 202028

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
-------------------------	------------------------	-------------------------

1. Discuss the Etiopathogenesis of Neonatal Jaundice and its management.

11	35	15
----	----	----

2. Classify anemias. Discuss the complications and management of Hemolytic anemia.

11	35	15
----	----	----

II. Write notes on :

1. Hypoglycemia in newborns.

4	10	7
---	----	---

2. Early and late onset neonatal infection.

4	10	7
---	----	---

3. Infant of diabetic mothers.

4	10	7
---	----	---

4. Sleep hygiene.

4	10	7
---	----	---

5. Neonatal seizures.

4	10	7
---	----	---

6. Intra ventricular haemorrhage.

4	10	7
---	----	---

7. Fast food consumption.

4	10	7
---	----	---

8. Role of micro nutrients in childhood survival.

4	10	7
---	----	---

9. Baby friendly hospital initiative.

4	10	7
---	----	---

10. Erb's palsy.

4	10	7
---	----	---

October 2011

[KZ 132]

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code : 202028

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
-------------------------	------------------------	-------------------------

- | | | | |
|--|----|----|----|
| 1. Discuss the aetiopathogenesis, symptoms and management of Meconium Aspiration Syndrome. | 11 | 35 | 15 |
| 2. Various causes of short stature in children. Discuss the management of a case of short stature with Mental retardation. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Kernicterus. | 4 | 10 | 7 |
| 2. Speech delay. | 4 | 10 | 7 |
| 3. Sepsis screening in New Born. | 4 | 10 | 7 |
| 4. Retinopathy of Prematurity. | 4 | 10 | 7 |
| 5. Management of Nocturnal Enuresis. | 4 | 10 | 7 |
| 6. Intra Ventricular Haemorrhage. | 4 | 10 | 7 |
| 7. Neonatal Reflexes. | 4 | 10 | 7 |
| 8. Infant of Diabetic mother. | 4 | 10 | 7 |
| 9. Management of Hyaline membrane disease. | 4 | 10 | 7 |
| 10. Sex Maturity Rating. | 4 | 10 | 7 |

APRIL 2012

[LA 132]

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code : 202028

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
-------------------------	------------------------	-------------------------

1. Discuss the various causes, and management of Respiratory Distress in a PRE TERM new born.
2. Describe the developmental milestones in a 3 year old child. Discuss the aetiology and management of a child with mental retardation.

16	35	15
16	35	15

II. Write notes on :

1. Management of Apnoeic spells.
2. Diagnosis of congenital diaphragmatic hernia.
3. Clinical picture hypocalcaemia.
4. Indications and types of phototherapy.
5. Management of shock in a neonate.
6. Investigations in Ano-Rectal Anomalies.
7. Road to health chart.
8. Thumb Sucking.
9. Trivandrum development scale.
10. Indications and complications of High Frequency Ventilation.

4	10	7
4	10	7
4	10	7
4	10	7
4	10	7
4	10	7
4	10	7
4	10	7
4	10	7
4	10	7

[LB 132]

OCTOBER 2012

Sub. Code: 2028

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS
NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS
Q.P. Code : 202028**

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages (Max.)	Time (Max.)	Marks (Max.)
-------------------------	------------------------	-------------------------

- | | | | |
|---|----|----|----|
| 1. Discuss the causes of Neonatal Seizures. Describe the management of a neonate with seizures. | 16 | 35 | 15 |
| 2. Discuss the causes of Short Stature. Describe the investigations and management of a child with short stature. | 16 | 35 | 15 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Significance of head circumference. | 4 | 10 | 7 |
| 2. Indications and complications of Exchange Transfusion. | 4 | 10 | 7 |
| 3. Management of neonatal cholestasis. | 4 | 10 | 7 |
| 4. Diagnosis and management of Hypothermia. | 4 | 10 | 7 |
| 5. Sex maturity rating. | 4 | 10 | 7 |
| 6. Management of developmental dysplasia of hip in a new born. | 4 | 10 | 7 |
| 7. Surfactant therapy. | 4 | 10 | 7 |
| 8. Risks of bottle feeding. | 4 | 10 | 7 |
| 9. Major changes in the Neonatal Resuscitation-2010 guidelines. | 4 | 10 | 7 |
| 10. Neuro imaging in neonatal encephalopathy. | 4 | 10 | 7 |

(LC 132)

APRIL 2013

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the etiology, management of neonatal sepsis. Add a note on its prevention.
2. Discuss the causes of delayed development. Describe the approach to a child with development delay.

II. Write notes on:

(10X7=70)

1. Vitamin K deficient bleeding.(VKDB)
2. Age-Independent criteria for growth monitoring.
3. Missed opportunities.
4. Diagnosis of Intra Uterine Infections.
5. Management of Neonatal Necrotizing Enterocolitis.
6. Kangaroo Mother Care (KMC).
7. Latest Modalities in the management of neonatal Hyperbilirubinaemia.
8. Pathology of Hypoxic Ischemic Encephalopathy.
9. Management of kerosene poisoning.
10. Complications of metabolic syndrome.

[LD 132]

OCTOBER 2013

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,

PREVENTIVE AND SOCIAL PAEDIATRICS

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Define Perinatal Mortality Rate. Discuss the steps taken by Government of India to reduce PMR.
2. Management of a Rh negative pregnancy with previous history of Hydrops, now presenting at 24 weeks of gestation.

II. Write notes on:

(10 x 7 = 70)

1. Neonatal management of Ambiguous genitalia.
2. Nutritional management of Persistent Diarrhea.
3. Role of Early Stimulation in a case of Developmental Delay.
4. Conjugate vaccines.
5. Principles of Growth and Development.
6. Body Mass Index (BMI).
7. Risk Factor for Retinopathy of Prematurity (ROP). Briefly discuss the management of ROP.
8. What is Physiological Anemia of Prematurity? Briefly discuss its etiology and management.
9. Strategies of Integrated management of neonatal and childhood illness (IMNCI).
10. Late Preterm and its significance in neonatal care.

(LE 132)

APRIL 2014

Sub. Code:2028

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS**

**NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P.Code: 202028

Time: Three Hours

Maximum: 100 marks

I. Elaborate on: (2X15=30)

1. Discuss in detail pathogenesis, diagnostic criteria, differential diagnosis, clinical manifestation and treatment of Attention deficit Hyper active disorder.
2. A HIV positive mother with tuberculosis delivered a preterm child, birth weight is 1.7kg. How will you manage? What are the investigations you will do? Give the immunization time table for this child.

II. Write notes on: (10X7=70)

1. SABLA programme.
2. Echolalia.
3. Role of pediatrician in adoption.
4. Health drinks.
5. Alternative system of medicine in child care.
6. What are the maternal infections affecting the foetus?
7. Neonatal mortality rate.
8. Fenton's growth chart.
9. Birth injuries.
10. High Frequency ventilation.

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS**

**PAPER III - NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P.Code: 202028

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Recent advances in the investigations and management of neonatal sepsis.
2. Discuss the importance of temperature regulation in newborn. Suggest measures to prevent hypothermia in the community.

II. Write notes on:

(10 x 7 = 70)

1. Therapeutic hypothermia.
2. Kangaroo Mother Care.
3. Adoption.
4. Fetal therapy.
5. Adverse effects following immunization.
6. Rotavirus vaccines.
7. Bronchopulmonary Dysplasia.
8. Chelation therapy in Paediatrics.
9. Discuss the types, complications and management of twins.
10. Prevention of mosquito borne infections.

[LG 132]

APRIL 2015

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the etiology, pathophysiology, clinical manifestations and management of Hyaline membrane disease.
2. What is high risk pregnancy? List the factors responsible for perinatal mortality and describe the current strategy to reduce perinatal mortality in India.

II. Write notes on:

(10 x 7 = 70)

1. Adoption.
2. Use of percentile charts in growth and development.
3. Adolescent immunisation.
4. Tracheo esophageal fistula.
5. Major changes in neonatal resuscitation 2010 guidelines.
6. Metabolic syndrome.
7. Gastro esophageal reflux.
8. Diagnosis of intrauterine infections.
9. Developmental dysplasia of hip.
10. Hypocalcemia in newborn.

[LH 132]

OCTOBER 2015

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the etiology, diagnosis and management of persistent pulmonary hypertension in newborn.
2. Describe the growth and developmental milestones in a 9 month old child.
Discuss the etiology and management of a child with mental retardation.

II. Write notes on:

(10 x 7 = 70)

1. Indications of audiological evaluation in newborn.
2. Late onset septicaemia.
3. Perinatal HIV infection.
4. Ethical principles of neonatal resuscitation.
5. Substance abuse in adolescent.
6. Polycythemia in newborn.
7. Antenatal growth monitoring.
8. Neonatal management of ambiguous genitalia.
9. Prognostic factors in neonatal HIE.
10. Surfactant.

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS**

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P.Code: 202028

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss the developmental milestones in first 2 years of life and its applied importance.
2. Discuss the preventive measures to reduce perinatal mortality in developing countries.

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

1. Neonatal sepsis – management.
2. Childhood autism.
3. Combination vaccines.
4. Preventable causes of mental retardation.
5. Hypoxic ischemic encephalopathy – management.
6. Thumb sucking.
7. An approach towards adolescent health problems.
8. District Early Intervention Centre.
9. Antenatal diagnosis and its clinical implications.
10. Retinopathy of prematurity – etiopathogenesis and management.

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS**

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P.Code: 202028

Time: Three Hours

Maximum: 100 Marks

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

1. Neonatal Screening for sepsis and management of a 5 days neonate with staphylococcal pustule.
2. How will you approach a 8yr old child with poor scholastic performance? What are the underline problems? What are the steps you take to manage these problems?

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

1. Early care of an asphyxiated Newborn.
2. Cephalohematoma.
3. Vaccination for a LBW baby.
4. Attention Deficit Hyperactivity Disorder (ADHD).
5. Bulemia.
6. Nocturnal Enuresis.
7. Turner Syndrome.
8. Hemorrhagic disease of Newborn.
9. Dengue Fever.
10. Retinopathy of Prematurity (ROP) Screening.

(LK 132)

MAY 2017

Sub. Code:2028

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS**

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P.Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the factors affecting growth and development after birth.
2. Discuss the factors resulting in preterm birth. Suggest measures to reduce the incidence of premature births.

II. Write notes on:

(10 x 7 = 70)

1. Neonatal convulsions – etiology and management.
2. Childhood learning disabilities.
3. Newer vaccines.
4. Infanticide.
5. Hemorrhagic disease of newborn.
6. Temper tantrums.
7. Fetal therapy and its application.
8. Breast milk banking.
9. Reproductive Maternal Neonatal Child Health and Adolescent programme. (RMNCH A).
10. Neonatal sepsis – prevention and management.

(LL 132)

OCTOBER 2017

Sub. Code:2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P.Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the fluid requirements, feeding and growth monitoring of preterm child.
2. Discuss the problems of adolescence.

II. Write notes on:

(10 x 7 = 70)

1. Infant mortality rate in Tamilnadu. Briefly write about the strategies to reduce IMR.
2. District early intervention centres.
3. Child born to HBs-Ag positive mother.
4. Investigations for septicaemia in newborn.
5. Continuous positive airway pressure. (CPAP)
6. Munchausen syndrome by proxy.
7. Duct dependant congenital heart diseases.
8. Antenatally detected hydronephrosis.
9. Biliary atresia.
10. Screening for hearing.

[LM 132]

MAY 2018

Sub. Code: 2028

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS**

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P.Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are the causes of short stature in a 8 year old girl? How will you evaluate clinically and investigate?
2. Define small for gestational age. Discuss the causes, complications and management.

II. Write notes on:

(10 x 7 = 70)

1. RBSK (Rashtriya Bal Swasthya Karyakram) scheme.
2. Autism.
3. Encopresis.
4. Persistent pulmonary hypertension.
5. Refractory hypoglycemia in newborn.
6. Prevention and management of broncho-pulmonary dysplasia.
7. Vitamin E.
8. Varicella infection in pregnancy.
9. Therapeutic cooling.
10. Bilious vomiting in neonate.

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. How will you approach to a child with autism spectrum disorder? What are the remedial measures for a child with Autism?
2. A preterm baby develops respiratory distress. Discuss differential diagnosis, investigation and management of the patient.

II. Write notes on:

(10 x 7 = 70)

1. Thumb Sucking.
2. Eating disorders.
3. Truancy.
4. Danger signs in Newborn baby.
5. Cause of Neonatal Mortality.
6. Growth Charts.
7. Congenital Rubella Syndrome.
8. Hypoxic Ischemic Encephalopathy.
9. Neonatal hyperbilirubinemia.
10. NRHM.

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the causes and approach to a preschool child with developmental regression.
2. (a) 10 days old preterm neonate has recurrent cessation of breathing lasting for more than 20 secs with bradycardia- classify and enumerate the causes.
(b) Pathophysiology.
(c) Management of the condition.

II. Write notes on:

(10 x 7 = 70)

1. Management of Necrotising Enterocolitis.
2. Retinopathy of Prematurity screening.
3. Bone age assessment and its significance.
4. Fragile X syndrome.
5. Management of child with Autism.
6. Obstructive sleep apnoea – diagnosis and management.
7. Role of paediatrician in adaptation of a child.
8. ASHA.
9. Adolescent vaccination.
10. Millennium Developmental Goal focused on children.

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the etiology, management of neonatal sepsis. Add a note on its prevention.
2. Write the nutritional plan for a 28 week, 1100gm preterm neonate who is clinically stable and write the developmentally supportive care of this preterm baby.

II. Write notes on:

(10 x 7 = 70)

1. PDA in a preterm neonate.
2. Sleep hygiene.
3. Delivery point screening.
4. Sarnat staging for hypoxic ischemic encephalopathy.
5. Vaccination for a low birth weight Baby.
6. Screen time in children.
7. Breast milk Bank.
8. Child born to HIV positive mother.
9. RKSK (Rashtriya Kishor Swasthya Karyakram).
10. Infant of Diabetic mother.

[LQ 132]

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 2028

**M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS**

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

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

1. Etiology, pathophysiology, clinical features, investigations and treatment of Global Developmental Delay.
2. Write in detail about the follow up program of a High Risk Neonate.

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

1. Broncho Pulmonary Dysplasia.
2. Acute Kidney Injury in neonates.
3. Trivandrum development screening chart.
4. TAEI.
5. Rotavirus vaccination.
6. Dental caries.
7. Cochlear implant.
8. Blood component therapy in neonates.
9. Intraventricular haemorrhage in neonates.
10. Role of steroids in neonates.

[LS 132]

NOVEMBER 2020
(OCTOBER 2020 SESSION)
M.D. DEGREE EXAMINATION
BRANCH VII – PAEDIATRICS

Sub. Code: 2028

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Causes, complications and management of intrauterine growth restriction
2. What is perinatal mortality rate? Discuss the strategies to reduce PNMR. What are the programs of Govt. of India that are directed towards reduction of PNMR?

II. Write notes on:

(10 x 7 = 70)

1. District Early Intervention Centre
2. National Tuberculosis Elimination Program (NTEP)
3. How will you monitor fetal well being and fetal distress?
4. Antenatal steroids
5. Persistent pulmonary hypertension
6. Human papilloma virus vaccine
7. Physical child abuse
8. Management of attention deficit hyperactive disorder
9. Restless legs syndrome
10. Malrotation

[MD 0721]

JULY 2021
(MAY 2021 SESSION)

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Management and prevention of respiratory distress syndrome (RDS).
2. Post resuscitation stabilization, monitoring and management of asphyxiated Newborn.

II. Write notes on:

(10 x 7 = 70)

1. Mission Indradhanush.
2. Nutrition Rehabilitation Centre (NRC).
3. Fetal therapy.
4. Group B streptococcal infection.
5. Screening for retinopathy of prematurity.
6. Congenital lobar emphysema.
7. Substance abuse.
8. DSM 5 criteria for autism spectrum disorders.
9. Emergency contraception.
10. Prevention of mental retardation.

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

[MD 1121]

**NOVEMBER 2021
(OCTOBER 2021 SESSION)**

Sub. Code: 2028

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

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

1. The pattern and assessment of growth during infancy. Discuss the clinical approach to an infant with hearing impairment?
2. What are the causes, manifestations, complications and management of severe hyperbilirubinemia in a two day old term new born baby?

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

1. Major causes and preventive measures for neonatal mortality.
2. Lactation failure.
3. Neutral thermal environment and kangaroo mother care.
4. Differential diagnosis for cyanosis in a new born.
5. Stuttering.
6. Primary amenorrhea.
7. Medications for ADHD.
8. M.R Vaccine.
9. Protection of children from sexual offences [POCSO] Act.
10. POSHAN ABIYAN.[Prime Minister's overarching scheme for Holistic nourishment].

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

[MD 0522]

MAY 2022

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Approach to Hemorrhagic disease of New born.
2. Define small for gestational age. Discuss the causes, clinical features, complications and Management.

II. Write notes on:

(10 x 7 = 70)

1. Rashtriya BalSwasthy Karyakram (RBSK).
2. Ayshman Bharat- PradhanMantri Jan Arogya Yojana (PM-JAY).
3. Management of Respiratory distress syndrome.
4. Management of Neonatal Seizure.
5. Thermal regulation in Neonates.
6. Breast milk banking.
7. Habit disorders in children.
8. Attention deficit hyperactive disorder (ADHD).
9. Linguistic delay.
10. Neonatal cholestasis syndrome.

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

[MD 1022]

OCTOBER 2022

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Causes, Clinical features, management of Neonatal necrotizing enterocolitis (NNEC).
2. Etio pathogenesis, Clinical features, diagnosis and management of Persistent Pulmonary hypertension in neonate (PPHN)

II. Write notes on:

(10 x 7 = 70)

1. Meconium Aspiration Syndrome.
2. Management of Neonatal Hypoglycemia.
3. Neonatal thrombocytopenia.
4. Causes and prevention of Neonatal hypothermia.
5. Intensified Mission Indra Dhanush.
6. Navajaat Shishu Suraksha Karyakram (NSSK).
7. Enuresis.
8. Adoption.
9. Approach for a child with speech delay.
10. Adolescent problems.

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

[MD 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

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

1. Elaborate on Injuries at birth, their Prevention and Management.
2. Elaborate on causes, clinical features, evaluation and management of Neonatal Anemia.

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

1. Developmental Assessment Scale for Indian Infants (DASII).
2. Prenatal Genetic Testing.
3. National Sickle Cell Anemia Mission.
4. Nocturnal Enuresis.
5. Developmental dysplasia of the Hip.
6. Infant and Young Child feeding.
7. Hidden Hunger.
8. Suicide prevention.
9. Neonatal Transport.
10. Screening Test and how to assess the Validity of the Screening Tests.

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

[MD 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2028

M.D. DEGREE EXAMINATION

BRANCH VII – PAEDIATRICS

**PAPER III – NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS,
PREVENTIVE AND SOCIAL PAEDIATRICS**

Q.P. Code: 202028

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the causes, diagnosis and management of Congestive Cardiac Failure in the First Week of Life.
2. Discuss the management of an infant of diabetic mother in the immediate Perinatal period.

II. Write notes on:

(10 x 7 = 70)

1. Measles Rubella Elimination Program.
2. Anemia Mukth Bharat.
3. Specific learning disabilities and their management.
4. Trivandrum Development Scale.
5. Encopresis.
6. Discuss briefly about Randomized Controlled Trials.
7. Sexual Maturity Rating.
8. Adolescent friendly Health Services.
9. National Mental Health Program.
10. Essential Newborn Care.
