

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                      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) 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 ricketts
- (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

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 × 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.

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**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.

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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.

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**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).

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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 :**

	<b>Pages</b>	<b>Time</b>	<b>Marks</b>
	<b>(Max.)</b>	<b>(Max.)</b>	<b>(Max.)</b>
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

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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 Time Marks  
(Max.) (Max.) (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 |

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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 Time Marks  
(Max.) (Max.) (Max.)

- |  |    |    |    |
|--|----|----|----|
| 1. Discuss the various causes, and management of Respiratory Distress in a PRE TERM new born.  | 16 | 35 | 15 |
| 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 |

II. Write notes on :

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

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[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 Time Marks  
(Max.) (Max.) (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 |

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(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.

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[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.

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(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.

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**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.

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