

[LB 083]

AUGUST 2012

Sub. Code: 1453

D.M – NEONATOLOGY

Paper – III CLINICAL NEONATOLOGY AND  
NEONATAL INTENSIVE CARE INCLUDING NEONATAL TRANSPORT

Q.P. Code: 161453

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. Write in detail about the Pathophysiology, clinical features and recent advances in the management of Chronic Lung disease. | 16 | 35 | 15 |
| 2. Describe a structured approach to the diagnosis and management of Congenital Cyanotic Heart Disease.                        | 16 | 35 | 15 |

II. Write notes on:

- |   |   |    |   |
|---|---|----|---|
| 1. Patient triggered ventilation.   | 4 | 10 | 7 |
| 2. Periventricular leukomalacia.  | 4 | 10 | 7 |
| 3. Rationale of EEG in newborns.  | 4 | 10 | 7 |
| 4. Scoring for pain and management of procedure related pain in neonates. | 4 | 10 | 7 |
| 5. Principles of parent education and support in NICU.                    | 4 | 10 | 7 |
| 6. Differential diagnosis for hematuria in newborn.                       | 4 | 10 | 7 |
| 7. Enteral feeding technique in VLBW babies.                              | 4 | 10 | 7 |
| 8. Algorithm for evaluation of disorders of sexual differentiation.       | 4 | 10 | 7 |
| 9. Follow up program for a NICU graduate.                                 | 4 | 10 | 7 |
| 10. Antibiotic resistance in NICU.  | 4 | 10 | 7 |

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**(LD 083)**

**AUGUST 2013**

**Sub. Code:1453**

**D.M. – NEONATOLOGY**  
**Paper – III CLINICAL NEONATOLOGY AND NEONATAL INTENSIVE CARE**  
**INCLUDING NEONATAL TRANSPORT**  
*Q.P.Code: 161453*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Diagnostic approach to anaemia in the newborn and its management. Discuss blood transfusion guidelines in a neonate.
2. Organization of neonatal transport services in our country.

**II. Write notes on:**

**(10X7=70)**

1. Ventilation induced lung injury
2. Management of CCF in newborn.
3. Clinical presentation and management of septic arthritis.
4. Hypothermia for management of Hypoxic ischemic encephalopathy.
5. Discuss the use of Probiotics in preterm babies.
6. Components of Kangaroo care and issues in implementing it.
7. Early markers of neonatal sepsis.
8. Transient disorder of thyroid function and Universal thyroid screening in newborn.
9. Neonatal resuscitation in special situations.
10. Clinical presentation and management of posterior urethral valve.

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[LF 083]

AUGUST 2014

Sub. Code: 1453

**D.M. – NEONATOLOGY**

**Paper III – CLINICAL NEONATOLOGY AND NEONATAL INTENSIVE  
CARE INCLUDING NEONATAL TRANSPORT**

*Q. P. Code: 161453*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer ALL questions in the same order.**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Diagnostic criteria, pathogenesis and prevention of Broncho pulmonary Dysplasia.
2. Approach to a neonate presenting with central cyanosis.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Catch up growth of IUGR babies-controversies.
2. How will you manage a baby born to a mother with ITP?
3. Approach to a neonate with anorectal malformations.
4. Compassionate care for a terminally ill baby.
5. Warm chain.
6. Permissive hypercarbia
7. Recommendations for hand hygiene practices in NICU.
8. Paracetamol versus ibuprofen in medical closure of PDA.
9. Compare and contrast- Self inflating bag, flow inflating bag and T- piece resuscitator.
10. End tidal CO<sub>2</sub> monitoring.

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