

National Board of Examinations

Question Paper Name :	DrNB Neonatology Paper1
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DrNB Neonatology Paper1

Group Number :	1
Group Id :	327187392
Group Maximum Duration :	0
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DrNB Neonatology Paper1

Section Id :	327187395
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory

Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	327187399
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 3271872441 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Define chronic lung disease in a preterm. [2]
- b) Enumerate the differences between "Old BPD" and "New BPD". [3]
- c) Enumerate strategies to prevent BPD and discuss the supporting evidence. [5]

Question Number : 2 Question Id : 3271872442 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Enumerate the methods for assessing intrapartum fetal well being and discuss their interpretation. [5]
- b) Describe approach to antenatal management of fetal growth restriction. [5]

Question Number : 3 Question Id : 3271872443 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Enumerate the benefits of delayed cord clamping in term and preterm neonates. [4]
- b) Mention the clinical features of antenatal brain insult in the neonate. [3]
- c) What is the evidence for role of Kangaroo Mother Care in Low birth weight babies? [3]

Question Number : 4 Question Id : 3271872444 Question Type : SUBJECTIVE

Correct Marks : 10

- a) Discuss prenatal diagnosis and neonatal management of Rh Isoimmunisation. [5]
- b) Discuss indications and complications of exchange transfusion for neonatal hyperbilirubinemia.

[3]

c) What is the role of IV Ig in neonatal hyperbilirubinemia? [2]

Question Number : 5 Question Id : 3271872445 Question Type : SUBJECTIVE

Correct Marks : 10

a) Discuss approach to managing a 9 day old preterm delivered at 30 weeks and on mechanical ventilation, having metabolic acidosis with pH 7.1. [5]

b) Discuss approach to a term neonate with hypoxic respiratory failure. [5]

Question Number : 6 Question Id : 3271872446 Question Type : SUBJECTIVE

Correct Marks : 10

a) Define the following terms used to evaluate the utility of a diagnostic test:

i. Sensitivity. [2]

ii. Specificity. [2]

iii. Positive predictive value. [2]

b) Population Attributable Risk. [2]

c) Internal validity of a study. [2]

Question Number : 7 Question Id : 3271872447 Question Type : SUBJECTIVE

Correct Marks : 10

a) Neonatal Mortality Rate (NMR) of a city X is 51/1000 live births and NMR of city Y is 10/1000 live births. Plan strategies to decrease the NMR in each of the cities. [6]

b) What are the key features of India Newborn Action Plan (INAP) and Rashtriya Bal Swasthya Karyakram programmes launched by Government of India? [4]

Question Number : 8 Question Id : 3271872448 Question Type : SUBJECTIVE

Correct Marks : 10

a) Discuss the pathophysiology of Periventricular leucomalacia. [5]

b) Discuss clinical correlates of different topography of perinatal brain injury in a term neonate. [5]

Question Number : 9 Question Id : 3271872449 Question Type : SUBJECTIVE

Correct Marks : 10

Briefly describe:

- a) mechanism, and clinical correlates of hypoglycemic brain injury. [4]
- b) Fluorescence in situ hybridization. [2]
- c) Kleihaur Betke Test. [2]
- d) Partograph. [2]

Question Number : 10 Question Id : 3271872450 Question Type : SUBJECTIVE

Correct Marks : 10

A 3-day-old term neonate presents in emergency room with poor feeding, lethargy, tachycardia and cold peripheries. Discuss:

- a) Differential diagnosis. [5]
- b) Evaluation and emergency management of this neonate. [5]