

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Neonatology Paper2
<b>Subject Name :</b>	DrNB Neonatology Paper2
<b>Creation Date :</b>	2022-06-25 17:20:26
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Neonatology Paper2

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871128
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DrNB Neonatology Paper2

<b>Section Id :</b>	3271871131
<b>Section Number :</b>	1

**Section type :** Offline  
**Mandatory or Optional :** Mandatory  
**Number of Questions to be attempted :** 10  
**Section Marks :** 100  
**Enable Mark as Answered Mark for Review and Clear Response :** Yes  
**Maximum Instruction Time :** 0  
**Sub-Section Number :** 1  
**Sub-Section Id :** 3271871135  
**Question Shuffling Allowed :** No

**Question Number : 1 Question Id : 32718710332 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Enumerate the available postnatal growth charts; also discuss their merits and demerits. [4+6]

**Question Number : 2 Question Id : 32718710333 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

What are the components of Kangaroo Mother Care? Discuss the evidence supporting a) Kangaroo Mother Care and b) immediate skin-to skin contact. [2+4+4]

**Question Number : 3 Question Id : 32718710334 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss milk microbiome. Mention the role of gut microbiota in (i) Bronchopulmonary dysplasia, and (ii) Necrotising enterocolitis. [4+(3+3)]

**Question Number : 4 Question Id : 32718710335 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

What are the treatment thresholds for thyroid function tests based on gestation and postnatal age? Briefly discuss the pathophysiological basis of CNS effects of hypothyroidism. Depict the algorithmic approach to a neonate with congenital hypothyroidism. [3+3+4]

**Question Number : 5 Question Id : 32718710336 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Outline the patho-physiological basis of disorders of sexual development (DSD). Enumerate the timeline of normal sex development. Depict the algorithmic approach for evaluation of a neonate with DSD. [3+3+4]

**Question Number : 6 Question Id : 32718710337 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

a) Management of persistent pulmonary hypertension. [5]

b) Echocardiographic diagnosis of hemodynamically significant-patent ductus arteriosus. [5]

**Question Number : 7 Question Id : 32718710338 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe the pain pathway in neonates. Enumerate the strategies to prevent pain among neonates in NICU. Name two scoring systems to evaluate pain in neonates. [4+4+2]

**Question Number : 8 Question Id : 32718710339 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction**

**Time : 0**

Enumerate diagnostic criteria for hypernatremic dehydration in neonates and discuss management of the same in a fullterm neonate? [4+6]

**Question Number : 9 Question Id : 32718710340 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

- a) What do you understand by global developmental delay? [2]
- b) Name 4 screening tools for early diagnosis of developmental delay. [2]
- c) Head control. [3]
- d) Evolution of grasp. [3]

**Question Number : 10 Question Id : 32718710341 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

- a) Human milk fortification. [6]
- b) Neurally adjusted ventilator assist. [4]