

# National Board of Examinations

**Question Paper Name :** DrNB Neonatology Paper3  
**Subject Name :** DrNB Neonatology Paper3  
**Duration :** 180  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718740844 Consider As Subjective : Yes**

**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. a) Enlist and describe different indications of caffeine in neonatology. [3]
- b) Describe the disadvantages of use of caffeine for preterm babies. [3]
- c) Describe the evidence in favor and against its use. [4]

**Question Number : 2 Question Id : 32718740845 Consider As Subjective : Yes**

- a) Describe with pathogenesis the types of shock in neonates. [4]
- b) Enlist the tools for the comprehensive hemodynamic monitoring. [3]
- c) Discuss the role of steroids in management of shock. [3]

**Question Number : 3 Question Id : 32718740846 Consider As Subjective : Yes**

- a) Describe the composition of various types of surfactants used for RDS management. [3]
- b) What are the indications of use of surfactants in neonates? [4]
- c) What are the complications of surfactant replacement therapy? [3]

**Question Number : 4 Question Id : 32718740847 Consider As Subjective : Yes**

- a) Enumerate the factors contributing to ductal patency in preterm neonates. [5]
- b) Discuss the treatment options to treat PDA, with their merits and demerits. [5]

**Question Number : 5 Question Id : 32718740848 Consider As Subjective : Yes**

- a) Enlist the clinically important viral congenital infections. [3]
- b) Describe the clinical features of Zika virus infection. [3]
- c) Describe the postnatal management of cytomegalovirus infection. [4]

**Question Number : 6 Question Id : 32718740849 Consider As Subjective : Yes**

- a) What is umbilical cord banking? [2]
- b) Describe the various steps and procedure of umbilical cord banking. [3]
- c) What are the possible uses of umbilical cord banking? [2]
- d) What is the evidence for and against this procedure? [3]

**Question Number : 7 Question Id : 32718740850 Consider As Subjective : Yes**

- a) Describe non-nutritive sucking (NNS) and discuss its benefits. [5]
- b) Describe the approach to a preterm neonate not gaining weight in NICU. [5]

**Question Number : 8 Question Id : 32718740851 Consider As Subjective : Yes**

- a) What is sepsis screen? Discuss merits and demerits of the different components. [5]
- b) Discuss the recent diagnostic modalities for neonatal sepsis. [5]

**Question Number : 9 Question Id : 32718740852 Consider As Subjective : Yes**

- a) Enlist the common birth traumas presenting in neonates. [3]
- b) Describe the different types of brachial plexus injury. [3]
- c) Describe the management option for a persistent brachial plexus injury without any improvement. [4]

**Question Number : 10 Question Id : 32718740853 Consider As Subjective : Yes**

What is MAA program? Describe in brief the components with their importance. [2+8]