

National Board of Examinations

Question Paper Name :	DrNB Neonatology Paper1
Subject Name :	DrNB Neonatology Paper1
Creation Date :	2022-12-22 22:34:00
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Neonatology Paper1

Group Number :	1
Group Id :	3271871325
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB Neonatology Paper1

Section Id :	3271871328
Section Number :	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 : 3271871332

Question Shuffling Allowed : No

Is Section Default? : null

Question Number : 1 Question Id : 32718712302 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

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) Describe the embryological development of placenta and mention factors that regulate placental circulation. [3+2]
- b) Umbilical artery Doppler in the assessment of foetal growth restriction. [5]

Question Number : 2 Question Id : 32718712303 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Approach to a neonate who presents with dehydration. [5]
- b) Differential diagnosis for hematuria in newborn. [5]

Question Number : 3 Question Id : 32718712304 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Steroidogenesis in the fetoplacental unit. [5]
- b) Iron metabolism in fetus and newborn. Briefly describe anemia of prematurity. [3+2]

Question Number : 4 Question Id : 32718712305 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Cellular mechanisms of antibiotic resistance and strategies for prevention. [5]
- b) Antibiotic stewardship programs. [5]

Question Number : 5 Question Id : 32718712306 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Liquid ventilation and evidence for its use. [5]
- b) Oxygen reserve index. [5]

Question Number : 6 Question Id : 32718712307 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss the various Bias while conducting a randomized controlled trial and ways to minimize them. [5]
- b) Discuss Factorial design trial with an example. [5]

Question Number : 7 Question Id : 32718712308 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What is CONSORT Statement? What is significance? Enumerate the major components of CONSORT statement. [4+3+3]

Question Number : 8 Question Id : 32718712309 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Define Evidence based medicine. Describe strengths and weakness of evidence based medicine. [2+3]

b) Calculation of sample size in medical research. [5]

Question Number : 9 Question Id : 32718712310 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) PDSA cycle in quality improvement. [5]

b) Discuss the challenges in operationalizing Newborn Stabilization Units (NBSU). [5]

Question Number : 10 Question Id : 32718712311 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Determination of biophysical profile in the foetus. [5]

b) Calcium metabolism in infants and metabolic bone disease. [3+2]