

National Board of Examinations

Question Paper Name :	DrNB Paediatric Cardiology Paper1
Subject Name :	DrNB Paediatric Cardiology Paper1
Creation Date :	2022-06-25 17:18:23
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Paediatric Cardiology Paper1

Group Number :	1
Group Id :	3271871158
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB Paediatric Cardiology Paper1

Section Id :	3271871161
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 :	3271871165
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718710632 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. a) Describe anatomy of pericardium & its operative implications. [5]
- b) Anatomy of coronary venous system and its clinical significance. [5]

Question Number : 2 Question Id : 32718710633 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Cardiac action potential and drugs acting on its various phases. [6]
- b) Ryanodine receptors. [4]

Question Number : 3 Question Id : 32718710634 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

- a) Pressure volume loop - in health and disease. [5]
- b) Physiologic regulation of pulmonary vascular resistance. [5]

Question Number : 4 Question Id : 32718710635 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Doppler principle. [5]
- b) Nyquist limit. [5]

Question Number : 5 Question Id : 32718710636 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Embryology of endocardial cushion defects. [5]
- b) Transition from fetal to neonatal circulation. [5]

Question Number : 6 Question Id : 32718710637 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Assessment of RV function on echocardiography. [5]
- b) Blood flow analysis on MRI. [5]

Question Number : 7 Question Id : 32718710638 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Confidence Interval. [5]
- b) Receiver Operating Characteristic (ROC) curve. [5]

Question Number : 8 Question Id : 32718710639 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Criteria for RVH on electrocardiography. [5]

b) Cardiac channelopathies. [5]

Question Number : 9 Question Id : 32718710640 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Mechanism of cyanotic spell. [5]

b) Fontan paradox. [5]

Question Number : 10 Question Id : 32718710641 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Sedation & analgesia during pediatric cardiac catheterization. [5]

b) Hemodynamic findings & their basis in a patient with bidirectional Glenn operation. [5]