

National Board of Examinations

Question Paper Name :	DrNB Cardiac Anaesthesia Paper1
Subject Name :	DrNB Cardiac Anaesthesia Paper1
Creation Date :	2023-10-15 14:11:38
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Cardiac Anaesthesia Paper1

Group Number :	1
Group Id :	327187800
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 Cardiac Anaesthesia Paper1

Section Id :	327187803
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 :	327187807
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718721123 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. Describe measurements of LV mass using TEE. [10]

Question Number : 2 Question Id : 32718721124 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Define pulmonary hypertension and discuss management of pulmonary hypertension crisis after cardiac surgery? [4+6]

Question Number : 3 Question Id : 32718721125 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Describe fetal, transitional and neonatal circulation with labelled diagram. [10]

Question Number : 4 Question Id : 32718721126 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Describe the role of NIRS in aortic arch replacement surgery. [10]

Question Number : 5 Question Id : 32718721127 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) Indications of pulmonary artery catheter use. [3]

b) Draw the waveforms encountered during PA catheter insertion. [4]

c) Mention the various derived hemodynamic calculations. [3]

Question Number : 6 Question Id : 32718721128 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Describe neurohumoral pathways in RV failure and their clinical implications in management. [10]

Question Number : 7 Question Id : 32718721129 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Discuss factors affecting coronary circulations. [10]

Question Number : 8 Question Id : 32718721130 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) Role of hyperbaric Oxygen therapy in myocardial protection in patients undergoing OP-CABG surgery. [5]
- b) Role of MUF after cardiac surgery. [5]

Question Number : 9 Question Id : 32718721131 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) APRV. [5]
- b) Ph Stat vs Alpha Stat blood gas management during hypothermic CBP. [5]

Question Number : 10 Question Id : 32718721132 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Draw a labelled diagram of left ventricular pressure-volume loops of in a normal heart and with acute and chronic mitral regurgitation. [4+3+3]