

National Board of Examinations

Question Paper Name :	DrNB Cardiac Anaesthesia Paper2
Subject Name :	DrNB Cardiac Anaesthesia Paper2
Creation Date :	2022-12-22 19:37:55
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Cardiac Anaesthesia Paper2

Group Number :	1
Group Id :	3271871380
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 Paper2

Section Id :	3271871383
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 :	3271871387
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718712872 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. Related to anaesthesia for thoracic surgery:

a) Draw a flow diagram depicting the “three-legged” stool of prethoracotomy respiratory assessment. [5]

b) Describe perioperative pain management in a patient posted for thoracotomy. [5]

Question Number : 2 Question Id : 32718712873 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Related to transesophageal Echocardiography:

a) Left ventricular strain imaging. [4]

b) Describe role of TEE in weaning from cardiopulmonary bypass in adult cardiac surgery. [6]

Question Number : 3 Question Id : 32718712874 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Related to management of tamponade in a post-operative ICU:

a) Etiology of acute post-operative tamponade. [1]

b) Clinical & hemodynamic presentation and probable Echocardiographic findings. [3+2]

c) Subsequent management of tamponade. [4]

Question Number : 4 Question Id : 32718712875 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) What is pulmonary hypertensive crisis? [4]

b) Describe non-pharmacological and pharmacological measures to decrease pulmonary artery hypertension in post-operative period. [2+4]

Question Number : 5 Question Id : 32718712876 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) What are the problems with ASD device embolization during cath lab procedure? [4]

b) How will you manage a patient subjected to the emergency surgical retrieval of embolized ASD device into pulmonary artery? [6]

Question Number : 6 Question Id : 32718712877 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 low cardiac output in a child who underwent intracardiac repair for congenital heart disease. [10]

Question Number : 7 Question Id : 32718712878 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) Describe the anesthesia management during hybrid repair for aortic arch aneurysms. [7]
- b) What is the importance of landing zones during the deployment of endovascular grafts? [3]

Question Number : 8 Question Id : 32718712879 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Write a short note on continuous veno-venous hemofiltration in the postoperative period after cardiac surgery. [10]

Question Number : 9 Question Id : 32718712880 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Related to Intra-aortic balloon pump (IABP) in cardiac surgery:

- a) What are the principles of IABP? [4]
- b) Draw the arterial wave form generated by a correctly positioned and timed intra-aortic balloon pump assist and draw alterations in arterial wave form tracings caused by errors in timing of intra-aortic balloon pump. [2+4]

Question Number : 10 Question Id : 32718712881 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Related to post operative mechanical ventilation in adult cardiac surgery:

- a) What are the causes of difficult weaning from ventilator? [4]
- b) How will you manage an adult patient who is difficult to wean from ventilator? [6]