

National Board of Examinations

Question Paper Name :	DrNB Cardiac Anaesthesia Paper2
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DrNB Cardiac Anaesthesia Paper2

Group Number :	1
Group Id :	3271872068
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 :	3271872071
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 :	3271872075
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718720392 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. Discuss in brief the preoperative evaluation, preparation and anaesthetic management of 35 years male with massive anterior mediastinal mass compressing the lower trachea. [10]

Question Number : 2 Question Id : 32718720393 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 tissue doppler imaging (TDI)? [5]
- Describe role of tissue doppler imaging (TDI) in assessment of LV diastolic functions. [5]

Question Number : 3 Question Id : 32718720394 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 clinical & hemodynamic presentation, and probable Echocardiographic findings in chronic constrictive pericarditis? [2+2]
- b) What is bird in cage phenomenon in CCP? [2]
- c) Anaesthetic management of chronic constrictive pericarditis. [4]

Question Number : 4 Question Id : 32718720396 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 the clinical and hemodynamic presentation of post BMV acute mitral regurgitation? Describe the perioperative anaesthetic management of emergency mitral valve replacement in the above-mentioned patient. [5+5]

Question Number : 5 Question Id : 32718720397 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

An 18 month old child with tetralogy of Fallot develops tet spell (cyanotic spell) in cath lab.

- a) What is the pathophysiology behind tet spell? [4]
- b) How will you suspect tet spell when patient is under general anaesthesia? [1]
- c) Discuss in brief the management of tet spell in cath lab. [5]

Question Number : 6 Question Id : 32718720398 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 the classification of aortic aneurysm. [4]
- b) Narrate the postoperative complications following Bentall's procedure and their management

in brief. [3+3]

Question Number : 7 Question Id : 32718720399 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 the management of vasoplegic syndrome in a pediatric patient in cardiac ICU after complex congenital cardiac correction? [10]

Question Number : 8 Question Id : 32718720400 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 off-pump coronary artery bypass graft surgery:

- a) What are the differences in anaesthesia techniques used for off-pump and on-pump coronary artery bypass grafting? [6]
- b) Is the outcome different between the two techniques? If yes, what are the differences? [4]

Question Number : 9 Question Id : 32718720401 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 pharmacological management of RV dysfunction in postoperative cardiac ICU. [5]
- b) Describe mechanical ventilation strategies in a patient with RV failure. [5]

Question Number : 10 Question Id : 32718729177 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 various methods of pain management of thoracotomy patients. [10]