

National Board of Examinations

Question Paper Name : DrNB Cardiac Anaesthesia Paper1
Subject Name : DrNB Cardiac Anaesthesia Paper1
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718740484 Consider As Subjective : Yes

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 heart failure under these headings:

- Definition and classification. [3]
- Pathophysiology. [2]
- Diagnostic criteria. [2]
- Management of diastolic heart failure. [3]

Question Number : 2 Question Id : 32718740485 Consider As Subjective : Yes

- What is pulmonary hypertension? [1]
- Describe newer classification of pulmonary hypertension. [3]
- Explain echocardiography assessment of pulmonary hypertension. [6]

Question Number : 3 Question Id : 32718740486 Consider As Subjective : Yes

- a) Describe deep hypothermic circulatory arrest. [6]
- b) What are the risks associated with DHCA? [4]

Question Number : 4 Question Id : 32718740487 Consider As Subjective : Yes

Coronary steal phenomenon: definition, pathophysiology, triggers of coronary steal, diagnosis & management in intraoperative period. [1+2+2+5]

Question Number : 5 Question Id : 32718740488 Consider As Subjective : Yes

- a) NIRS monitoring. [5]
- b) Non invasive methods of cardiac output monitoring. [5]

Question Number : 6 Question Id : 32718740489 Consider As Subjective : Yes

- a) Heparin induced thrombocytopenia. [4]
- b) Nitroglycerin v/s Na nitroprusside. [3]
- c) Cormack and Lehane scale. [3]

Question Number : 7 Question Id : 32718740490 Consider As Subjective : Yes

What is cardioplegia? Describe its mechanism of action, types of cardioplegia and delivery system of cardioplegia. [10]

Question Number : 8 Question Id : 32718740491 Consider As Subjective : Yes

- a) Hyponatremia. [3]
- b) WPW syndrome. [3]
- c) Classification of aortic aneurysm. [4]

Question Number : 9 Question Id : 32718740492 Consider As Subjective : Yes

Describe fast track anesthesia in cardiac surgery. [10]

Question Number : 10 Question Id : 32718740493 Consider As Subjective : Yes

- a) Classify anticoagulant drugs use in cardiac surgery. [3]
- b) Describe newer oral anticoagulants. [7]