

National Board of Examinations

Question Paper Name :	DrNB Cardiac Anaesthesia Paper3
Subject Name :	DrNB Cardiac Anaesthesia Paper3
Creation Date :	2022-12-26 13:13:12
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DrNB Cardiac Anaesthesia Paper3

Group Number :	1
Group Id :	3271871381
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 Paper3

Section Id :	3271871384
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 : 3271871388

Question Shuffling Allowed : No

Is Section Default? : null

Question Number : 1 Question Id : 32718712882 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. a) Enumerate various mechanical circulatory support devices used in patients of heart failure. [4]
- b) Write a short note on Heartmate II. [6]

Question Number : 2 Question Id : 32718712883 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) Enumerate various types of cardioplegia solutions. [3]
- b) Write a short note on “Del Nido” cardioplegia. [7]

Question Number : 3 Question Id : 32718712884 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

In relation to Dexmedetomidine in cardiac surgical practice:

- a) Describe mechanism of action of dexmedetomidine. [2]
- b) Its indication, advantages, and adverse effects in cardiac surgical patients. [3+3+2]

Question Number : 4 Question Id : 32718712885 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 various newer anticoagulants used in patients with or at risk of heparin induced thrombocytopenia undergoing percutaneous coronary intervention or cardiac surgery. [10]

Question Number : 5 Question Id : 32718712886 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 post Fontan surgery ventilation strategy? [10]

Question Number : 6 Question Id : 32718712887 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) Enumerate at least four point of care platelet function tests. [4]
- b) Draw the following signature thromboelastograph tracings. (i) Normal (ii) Coagulation factor deficiency (iii) Platelet defect or deficiency (iv) Fibrinolysis (v) Hypercoagulability. [1+1+1+1+2]

Question Number : 7 Question Id : 32718712888 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Indications, contraindications and cannulation techniques for VA ECMO. [3+2+5]

Question Number : 8 Question Id : 32718712889 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Perioperative evaluation and anaesthetic management of liver cirrhosis patient undergoing cardiac surgery. [10]

Question Number : 9 Question Id : 32718712890 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Approach to a patient with dilated cardiomyopathy and poor left ventricular function, undergoing Automatic implantable cardioverter-defibrillator (AICD) implantation in cardiac cath lab. [10]

Question Number : 10 Question Id : 32718712891 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 port-access cardiopulmonary bypass? [4]

b) Describe the cannulation techniques and conduct of port-access CPB? [6]