

National Board of Examinations

Question Paper Name :	DrNB Cardio Vascular and Thoracic Surgery Paper3
Subject Name :	DrNB Cardio Vascular and Thoracic Surgery Paper3
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DrNB Cardio Vascular and Thoracic Surgery Paper3

Group Number :	1
Group Id :	3271872720
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

DrNB Cardio Vascular and Thoracic Surgery Paper3

Section Id :	3271872723
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872727
Question Shuffling Allowed :	No

Subjective : Yes

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 different types of pumps used in cardiac surgery. Compare any two. [1+4]
- b) Briefly discuss hyperkalemia, its ECG findings and treatment. [1+2+2]

Question Number : 2 Question Id : 32718728485 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Management of abdominal aortic aneurysm. [5]
- b) Stem cell engineering. [3]
- c) Mycophenolate mofetil. [2]

Question Number : 3 Question Id : 32718728486 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Surgical management of coarctation of aorta in adults. [4]
- b) Thromboangiitis obliterans. [3]
- c) Sacubitril/Valsartan. [3]

Question Number : 4 Question Id : 32718728487 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Indications for re-exploration in cardiac surgery. [4]
- b) Blood components. [3]
- c) Thromboelastogram (TEG). [3]

Question Number : 5 Question Id : 32718728488 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Management of fluids in post-operative periods. [4]

- b) Plasma expander : advantages and disadvantages. [3]
- c) Noncardiogenic pulmonary edema. [3]

Question Number : 6 Question Id : 32718728489 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Mixed venous saturation. [5]
- b) Cox-Maze procedure. [3]
- c) Atrial natriuretic peptide (ANP). [2]

Question Number : 7 Question Id : 32718728490 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Seat belt injury. [4]
- b) Achalasia cardia. [3]
- c) Ectopia cordis. [3]

Question Number : 8 Question Id : 32718728491 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Diagnosis and management of lung tumours. [5]
- b) Immunohistochemistry (IHC) in lung cancer. [5]

Question Number : 9 Question Id : 32718728492 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Abnormal systemic venous drainage of the heart. [4]
- b) Normal pressures in all cardiac chambers. [3]
- c) Normal oxygen saturation in all cardiac chambers. [3]

Question Number : 10 Question Id : 32718728493 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Artificial intelligence in cardiothoracic surgery. [4]
- b) CRRT. [3]
- c) Enumerate various cardio-pulmonary supports available. [3]