

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Cardio Vascular and Thoracic Surgery Paper3
<b>Subject Name :</b>	DrNB Cardio Vascular and Thoracic Surgery Paper3
<b>Creation Date :</b>	2023-10-15 15:58:39
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Cardio Vascular and Thoracic Surgery Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872465
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DrNB Cardio Vascular and Thoracic Surgery Paper3

<b>Section Id :</b>	3271872468
<b>Section Number :</b>	1

<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872472
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718724883 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) Describe Beck's triad and etiology. [4]
- b) Describe Virchow's triad. [3]
- c) Describe Kartagener syndrome. [3]

**Question Number : 2 Question Id : 32718724884 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) Pectus carinatum. [3]

- b) Pentalogy of Cantrell. [5]
- c) Modified Nuss procedure. [2]

**Question Number : 3 Question Id : 32718724885 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) Types of ECMO, cannulation routes, indications and complications. [4]
- b) Difference between membrane and bubble oxygenators. [3]
- c) Arterial pumps used in cardiopulmonary bypass machine. [3]

**Question Number : 4 Question Id : 32718724886 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) Buerger's disease and management. [4]
- b) Raynaud's disease and management. [4]
- c) Functional class staging of peripheral vascular disease. [2]

**Question Number : 5 Question Id : 32718724887 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 various inotropic drugs with receptors and dose ranges. [5]
- b) Causes and clinical classification of aortic dissection. [5]

**Question Number : 6 Question Id : 32718724888 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Major aortopulmonary collateral arteries (MAPCA):

- a) Etiology. [1]
- b) Diagnosis. [2]
- c) Effect on left ventricle. [2]
- d) Intraoperative complications. [2]
- e) Post operative complications and management. [3]

**Question Number : 7 Question Id : 32718724889 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) Complications of mitral valve replacement and possible structures damage (explain with help of diagram). [4]
- b) Types of various post-traumatic pneumothorax and management. [3]
- c) Define Flail chest with pathophysiological consequences and management. [3]

**Question Number : 8 Question Id : 32718724890 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) Square root sign on cardiac catheterization and clinical relevance. [4]
- b) Kussmaul's sign. [2]
- c) Chylothorax: etiology, presentation and management. [4]

**Question Number : 9 Question Id : 32718724891 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) Thoracic outlet syndrome: etiology, symptoms, signs and treatment. [6]
- b) Boundaries of femoral triangle with contents and applied anatomy. [4]

**Question Number : 10 Question Id : 32718724892 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) Down syndrome. [3]
- b) Thoracic dumbbell tumors and management. [3]
- c) Staging, diagnosis and management of empyema thoracis. [4]