

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Cardio Vascular and Thoracic Surgery Direct 6 years course Part 1 Paper2
<b>Subject Name :</b>	DrNB Cardio Vascular and Thoracic Surgery Direct 6 years course Part 1 Paper2
<b>Creation Date :</b>	2023-04-26 21:36:35
<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 Direct 6 years course Part 1 Paper2**

<b>Group Number :</b>	1
<b>Group Id :</b>	327187776
<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 Direct 6 years**

## course Part 1 Paper2

Section Id :	327187779
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 :	327187783
Question Shuffling Allowed :	No
Is Section Default? :	null

**Question Number : 1 Question Id : 3271876842 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

1. In a patient with suspected peripheral vascular disease, briefly discuss:

- a) Clinical history and examination findings. [5]
- b) The imaging modalities (including their indications and limitations). [5]

**Question Number : 2 Question Id : 3271876843 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 causes of elevated pulmonary venous pressures? [3]
- b) Draw tracings in a case of mitral regurgitation. [2]
- c) Enumerate various radiological findings to grading this condition. [3]

d) Role of Swan-Ganz catheter in assessment of pressure. [2]

**Question Number : 3 Question Id : 3271876844 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 are the pathological changes that occur in a patient with Bicuspid aortic valve? How does it impact the surgical impact of this condition? [5+5]

**Question Number : 4 Question Id : 3271876845 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) Discuss the anatomy of the thoracic outlet. [4]
- b) Clinical evaluation of such case. [3]
- c) Discuss the management of a patient with cervical rib. [3]

**Question Number : 5 Question Id : 3271876846 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 conduits used in coronary artery bypass surgery. [3]
- b) Draw histological diagram of one venous and one arterial graft. [3]
- c) Compare indications and patency rate of each conduit in a tabular form. [4]

**Question Number : 6 Question Id : 3271876847 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) Discuss correlation of chromosomal disorders with cardiovascular disease. [6]

b) Describe common associations with aortic disorder and ventricular septal disease. [2+2]

**Question Number : 7 Question Id : 3271876848 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) Discuss the embryological aspects of anatomy of the interventricular septum. [6]

b) Classify various types of interventricular communications and illustrate them with suitable diagrams. [4]

**Question Number : 8 Question Id : 3271876849 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) Classify vascular rings and slings. [3]

b) What are the clinical effects? [3]

c) How do you evaluate and arrive at a final diagnosis in such a patient? [4]

**Question Number : 9 Question Id : 3271876850 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 types of oxygenators in cardiac surgical practice? [2]

b) What are the advantages and disadvantages of each type? [2]

c) Draw diagram of CPB circuit in any two types of oxygenator. [2]

d) What are the strategies to minimize inflammatory response to cardiopulmonary bypass? [4]

**Question Number : 10 Question Id : 3271876851 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 Heath Edwards and Rabinovitch classification of pulmonary arterial hypertension? [3]
- b) What is the significance? [3]
- c) What are the pharmacologic practices for managing pulmonary arterial hypertension in a patient with congenital heart defect? [4]