

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Cardio Vascular and Thoracic Surgery Paper2
<b>Subject Name :</b>	DrNB Cardio Vascular and Thoracic Surgery Paper2
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## DrNB Cardio Vascular and Thoracic Surgery Paper2

<b>Group Number :</b>	1
<b>Group Id :</b>	327187204
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
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<b>Break time :</b>	0
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No

## DrNB Cardio Vascular and Thoracic Surgery Paper2

<b>Section Id :</b>	327187207
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	10
<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>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	327187211
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 327187560 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Define severity and grading of mitral stenosis. [3]
- b) Describe the approaches for MVR with the significance of chordal preservation. [3]
- c) How do you manage AV groove rupture? [4]

**Question Number : 2 Question Id : 327187561 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Classify aortic dissection. [2]
- b) How do you manage a case of Type A aortic dissection with moderate AR, and severe LV dysfunction? [3]
- c) What is Deep Hypothermic Arrest? How do you plan for cannulation and cerebral protection in your case? [2+3]

**Question Number : 3 Question Id : 327187562 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Write the pathophysiology of chronic pulmonary embolic hypertension. [3]
- b) Describe the medical and surgical management of CTEPH. How do you manage severe RV dysfunction and pulmonary artery hypertensive crisis in post operative period? [4+3]

**Question Number : 4 Question Id : 327187563 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Discuss the evaluation and management of a case of constrictive pericarditis associated with ascitis and jaundice. [4]
- b) Discuss the differential diagnosis of hemorrhagic pericardial effusion. [3]
- c) How do you diagnose and manage post myocardial infarct cardiac rupture? [3]

**Question Number : 5 Question Id : 327187564 Question Type : SUBJECTIVE**

**Correct Marks : 10**

- a) Discuss in brief about the embryology and anatomy of coarctation of aorta (CoA). [3]
- b) Enumerate the differential diagnosis and radiological features of CoA. [3]
- c) What are the different approaches and techniques for CoA repair? [4]

**Question Number : 6 Question Id : 327187565 Question Type : SUBJECTIVE**

**Correct Marks : 10**

How do you do preoperative work up for a case of coronary artery disease with left main involvement, intramyocardial LAD and with severe LV dysfunction? How will you tackle type III intramyocardial and calcified LAD for grafting? What are the techniques and standards in intraoperative graft verification by transit time flow measurement after coronary artery bypass graft surgery? [3+3+4]

**Question Number : 7 Question Id : 327187566 Question Type : SUBJECTIVE**

**Correct Marks : 10**

What are the different approaches for minimally invasive cardiac surgery for ASD closure? How do you manage large LSVC in MICS ASD closure? Write in brief about minimally invasive direct coronary artery bypass (MIDCAB) and hybrid coronary revascularization. [3+3+4]

**Question Number : 8 Question Id : 327187567 Question Type : SUBJECTIVE**

**Correct Marks : 10**

Describe the radiological features of hydatid cyst of lung. What are the complications of hydatid disease of lung and how do you manage? Discuss the surgical techniques and specific anaesthetic management during surgery. [3+3+4]

**Question Number : 9 Question Id : 327187568 Question Type : SUBJECTIVE**

**Correct Marks : 10**

How do you manage congenital heart block? What are the different types of pacemaker and implantable cardioverter- defibrillators? Discuss different modes of pacing in post cardiac surgery ICU management. [3+3+4]

**Question Number : 10 Question Id : 327187569 Question Type : SUBJECTIVE**

**Correct Marks : 10**

Discuss the angiographic findings and expected cardiac catheterization data in TOF. Discuss the surgical management of TOF with hypoplastic pulmonary arteries. Discuss in brief about the management of MAPCAs. [3+3+4]