

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Cardio Vascular and Thoracic Surgery Paper3
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## DrNB Cardio Vascular and Thoracic Surgery Paper3

<b>Group Number :</b>	1
<b>Group Id :</b>	327187779
<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>	327187782
<b>Section Number :</b>	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 :** 327187786  
**Question Shuffling Allowed :** No  
**Is Section Default? :** null

**Question Number : 1 Question Id : 3271876872 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. Mediastinitis:

- a) Preoperative risk factors. [2]
- b) Operative risk factors. [2]
- c) Management. [6]

**Question Number : 2 Question Id : 3271876873 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) Manifestations of ventilator associated pneumonia. [3]
- b) Its management algorithm and preventive strategy. [5+2]

**Question Number : 3 Question Id : 3271876874 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Swan-Ganz catheter:

- a) Various ports of catheter. [2]
- b) Indications for its uses. [2]
- c) Normal pulmonary capillary wedge pressure (PCWP). [2]
- d) Interpretation of PCWP in various clinical conditions and management of that condition. [4]

**Question Number : 4 Question Id : 3271876875 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Central venous pressure:

- a) Various waves in normal tracing (draw diagram). [3]
- b) Interpretation in immediate post operative period. [3]
- c) Draw tracings in case of atrial fibrillation. [2]
- d) Draw tracings in case of complete heart block. [2]

**Question Number : 5 Question Id : 3271876876 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Plasma expanders:

- a) Basic concept. [3]
- b) Enumerate various solution available with its duration of action. [3]

- c) Advantages of its uses in cardiac surgery. [2]
- d) Disadvantages of its uses in cardiac surgery. [2]

**Question Number : 6 Question Id : 3271876877 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 types of trials. [5]
- b) What is the BACE device? [2]
- c) Enumerate the findings of any one study discussing it. [3]

**Question Number : 7 Question Id : 3271876878 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Regarding myocardial protection:

- a) Basic principles of myocardial protection. [3]
- b) Enumerate various solutions used. [3]
- c) Briefly discuss strategy for cardioplegia delivery in a case of ruptured sinus of Valsalva. [4]

**Question Number : 8 Question Id : 3271876879 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Briefly discuss regarding off pump coronary bypass surgery[OPCAB]:

- a) Advantages. [2]
- b) Disadvantages. [2]
- c) Enumerate various trials. [3]
- d) Describe any one trial. [3]

**Question Number : 9 Question Id : 3271876880 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 diagrammatically various coronary artery patterns in d-transposition of great arteries.

[5]

b) Discuss in brief surgical management of an intramural coronary artery in this condition. [5]

**Question Number : 10 Question Id : 3271876881 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 in brief about acute renal injury following cardiac surgery:

a) Classification of acute renal injury. [3]

b) Grading of injury. [3]

c) Management. [4]