

# National Board of Examinations

**Question Paper Name :** DrNB Cardio Vascular and Thoracic Surgery Paper1  
**Subject Name :** DrNB Cardio Vascular and Thoracic Surgery Paper1  
**Duration :** 180  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718740944 Consider As Subjective : Yes**

**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

- a) Briefly describe embryology of coronary arteries. [4]
- b) Briefly discuss pathophysiology and management of anomalous left coronary artery from pulmonary artery. [6]

**Question Number : 2 Question Id : 32718740945 Consider As Subjective : Yes**

- a) Briefly discuss oxygen content of blood and how to calculate it. [5]
- b) Draw an oxygen dissociation curve and briefly discuss causes of shifts to right and left. [5]

**Question Number : 3 Question Id : 32718740946 Consider As Subjective : Yes**

- a) Describe in brief, with help of diagrams intrinsic coagulation pathway. [4]
- b) What is thromboelastography (TEG)? [3]
- c) Briefly describe heparin induced thrombocytopenia. [3]

**Question Number : 4 Question Id : 32718740947 Consider As Subjective : Yes**

- a) Briefly describe principles of myocardial protection. [6]
- b) Crystalloid cardioplegia - advantages and disadvantages. [4]

**Question Number : 5 Question Id : 32718740948 Consider As Subjective : Yes**

- a) Discuss pulsus paradoxus. [4]
- b) What are the ways to differentiate between constrictive pericarditis and restrictive cardiomyopathy? [4]
- c) Merits and demerits of pericardiectomy through left thoracotomy. [2]

**Question Number : 6 Question Id : 32718740949 Consider As Subjective : Yes**

- a) Anatomy of thymus. [3]
- b) Enumerate symptoms, signs and investigations for diagnosis of myasthenia gravis. [3]
- c) Briefly discuss role of thymectomy in myasthenia gravis. [4]

**Question Number : 7 Question Id : 32718740950 Consider As Subjective : Yes**

- a) Briefly discuss anatomy of aortic root with the help of diagram. [6]
- b) Enumerate various methods to tackle small aortic root. [4]

**Question Number : 8 Question Id : 32718740951 Consider As Subjective : Yes**

- a) Discuss etiopathogenesis and histopathological classification of primary pulmonary arterial hypertension. [6]
- b) Enumerate drugs used to treat primary pulmonary arterial hypertension. [4]

**Question Number : 9 Question Id : 32718740952 Consider As Subjective : Yes**

- a) Briefly discuss anatomy of esophagus. [5]
- b) Briefly describe management of achalasia cardia. [5]

**Question Number : 10 Question Id : 32718740953 Consider As Subjective : Yes**

- a) Briefly discuss etiopathogenesis of rheumatic fever. [4]
- b) What are modified Jone's criteria? [3]
- c) What is the treatment of acute rheumatic fever? [3]