

National Board of Examinations

Question Paper Name : DrNB Cardio Vascular and Thoracic Surgery Paper3
Subject Name : DrNB Cardio Vascular and Thoracic Surgery Paper3
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718740964 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

1. a) Briefly describe indications and pre-operative workup for cardiac transplant. [5]
b) Discuss prevention and treatment of various types of rejection after cardiac transplantation in brief. [5]

Question Number : 2 Question Id : 32718740965 Consider As Subjective : Yes

Briefly describe minimally invasive cardiac surgery under the following heads:

- a) Cannulation techniques. [4]
b) Venous drainage [3]
c) Deairing techniques. [3]

Question Number : 3 Question Id : 32718740966 Consider As Subjective : Yes

- a) Briefly describe endobronchial ultrasound and its utility. [5]
- b) Prevention of bronchopleural fistula after lobectomy. [5]

Question Number : 4 Question Id : 32718740967 Consider As Subjective : Yes

- a) Discuss properties of oxygenator used in ECMO. [3]
- b) Briefly describe contraindications and complications of intra-aortic balloon pump. [4]
- c) Briefly discuss advantages and disadvantages of centrifugal pump. [3]

Question Number : 5 Question Id : 32718740968 Consider As Subjective : Yes

- a) What is TAVI? [2]
- b) What are the various valves used for TAVI currently? [3]
- c) Discuss current trials and results of TAVI in low risk patients. [5]

Question Number : 6 Question Id : 32718740969 Consider As Subjective : Yes

- a) What is robotic surgery? [3]
- b) Enumerate currently available surgical robotic systems for CVTS. [2]
- c) Current uses of robotic surgery in cardiothoracic surgery. [5]

Question Number : 7 Question Id : 32718740970 Consider As Subjective : Yes

- a) Briefly discuss etiopathogenesis and classification of aortic aneurysms. [5]
- b) Hybrid surgery for aortic aneurysm. [5]

Question Number : 8 Question Id : 32718740971 Consider As Subjective : Yes

- a) Discuss etiopathogenesis, classification and staging of small cell lung cancer. [5]
- b) Briefly describe management and results of small cell lung cancer according to staging. [5]

Question Number : 9 Question Id : 32718740972 Consider As Subjective : Yes

- a) What is stem cell? [2]
- b) Enumerate various types of stem cells currently used. [4]
- c) Current status of stem cell therapy for heart failure. [4]

Question Number : 10 Question Id : 32718740973 Consider As Subjective : Yes

a) ART trial. [3]

b) Milrinone. [3]

c) Current status of tricuspid valve repair. [4]