

National Board of Examinations

Question Paper Name :	DrNB Cardio Vascular and Thoracic Surgery Paper1
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DrNB Cardio Vascular and Thoracic Surgery Paper1

Group Number :	1
Group Id :	3271871080
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB Cardio Vascular and Thoracic Surgery Paper1

Section Id :	3271871083
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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 : 3271871087
Question Shuffling Allowed : No

Question Number : 1 Question Id : 3271879852 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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) What are the neurological effects of cardiopulmonary bypass(CPB)? [2]
b) Compare 'alpha stat' with 'pH stat' strategy. [5]
c) What are the measures that can be taken for preventing the neurological complications of CPB? [3]

Question Number : 2 Question Id : 3271879853 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Describe the embryology of transposition of great arteries(TGA). [3]
b) Describe the anatomical variations of coronary arteries in TGA. [4]

c) Enumerate indications of atrial switch versus arterial switch in the treatment of TGA. [3]

Question Number : 3 Question Id : 3271879854 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Describe the morphology and pathophysiology of Ebsteins anomaly. [4]

b) Enumerate various operative techniques. Briefly discuss recent technique of repair. [5]

c) What are the ECG findings in this condition? [1]

Question Number : 4 Question Id : 3271879855 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) What is double outlet left ventricle? [3]

b) What are its clinical manifestations? [3]

c) Describe the surgical procedures for its treatment. [4]

Question Number : 5 Question Id : 3271879856 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) What is 'French correction'? Who has described it? [2]

b) How are the lesions of mitral valve classified broadly based on the morphological disorder occurring at different parts of the valve-apparatus? [4]

c) Describe the types of prosthetic rings used for the mitral annuloplasty. [4]

Question Number : 6 Question Id : 3271879857 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Describe the embryology of persistent left superior vena cava (LSVC). [3]

b) How is LSVC diagnosed on echocardiography preoperatively. [2]

c) Briefly discuss options to manage LSVC during open heart surgery. [3]

d) Enumerate complications of residual unroofed coronary sinus. [2]

Question Number : 7 Question Id : 3271879858 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Describe the nomenclature or abbreviations used for classifying the congenital cardiac malformations based on the alterations in their location either partly or completely. [6]
- b) Define these terms: Dextroversion of the heart, dextrocardia, levocardia and mesocardia. [4]

Question Number : 8 Question Id : 3271879859 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Draw a labelled diagram of aortic root. [2]
- b) Briefly discuss patient prosthetic mismatch. [3]
- c) Enumerate various operative procedures used for managing the small aortic annulus. [5]

Question Number : 9 Question Id : 3271879860 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Describe the etiopathology of chronic constrictive pericarditis(CCP). [3]
- b) What are the changes that occur in jugular venous pressure wave form and the clinical features in CCP? [4]
- c) Enumerate various surgical approaches and its indications in management of CCP. [3]

Question Number : 10 Question Id : 3271879861 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Draw various pulse wave forms encountered in cardiac surgical practice. [5]
- b) What factors lead to causation of mechanism of each pulse waveform? [5]