

National Board of Examinations

Question Paper Name :	DrNB Cardio Vascular and Thoracic Surgery Direct 6 years course Part 2 Paper2
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DrNB Cardio Vascular and Thoracic Surgery Direct 6 years course Part 2 Paper2

Group Number :	1
Group Id :	3271872109
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
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Is this Group for Examiner? :	No
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Show Progress Bar? :	No

DrNB Cardio Vascular and Thoracic Surgery Direct 6 years

course Part 2 Paper2

Section Id :	3271872112
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 :	3271872116
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718721263 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

1. a) Enumerate the various methods of noninvasive evaluation in coronary artery disease. [3]
- b) Discuss their advantages and disadvantages in tabular form. [5]
- c) Briefly discuss IVUS. [2]

Question Number : 2 Question Id : 32718721264 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) Discuss the principles of echocardiography. [3]
- b) Enumerate various modes. [2]
- c) Illustrate M mode echocardiographic tracings of a patient with mitral stenosis. [5]

Question Number : 3 Question Id : 32718721265 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) What are the types of bronchoscopy? [3]
- b) List advantages and disadvantages of each subtype. [3]
- c) What are the expected bronchoscopy findings in a patient with carcinoma of the lung? [4]

Question Number : 4 Question Id : 32718721266 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 55-year-old male is brought to the emergency room with severe retrosternal pain that radiates to the back.

- a) Enumerate the possible diagnosis. [3]
- b) What are the methods to arrive at a possible diagnosis? [3]
- c) In a flow chart, illustrate how to manage a case of malperfusion in such a patient. [4]

Question Number : 5 Question Id : 32718721267 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) Echocardiographic grading of aortic stenosis. [3]
- b) Describe indications for surgical intervention as per latest guidelines. [3]
- c) Enumerate various surgical treatment options for severe aortic stenosis. [2]
- d) Discuss in short the Ozaki procedure. [2]

Question Number : 6 Question Id : 32718721268 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) Discuss briefly about electrophysiological monitoring in the cardiac catheterization laboratory. [2]
- b) What is HIS bundle study and its applications? [3]
- c) Discuss the principles of surgery for atrial fibrillation. [5]

Question Number : 7 Question Id : 32718721269 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 various types of patch and graft materials in cardiac surgical practice. [3]
- b) What are the advantages and disadvantages of each type? [5]
- c) What is the preferred material for large vessel like thoracic aorta and why? [2]

Question Number : 8 Question Id : 32718721270 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) What is Mitraclip? [2]
- b) What principle is it based upon? [3]
- c) Discuss in brief methodology of application of a Mitraclip. [5]

Question Number : 9 Question Id : 32718721271 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) What are the types of pump heads used in extracorporeal cardiopulmonary support? [3]
- b) Compare any two of them. [4]
- c) Recent development in Oxygenators. [3]

Question Number : 10 Question Id : 32718721272 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) What are the applications of nanotechnology in cardiovascular diseases? [4]
- b) What are bioengineered cardiovascular materials? [3]
- c) Genetically modified pigs. [3]