

National Board of Examinations

Question Paper Name :	DrNB Cardio Vascular and Thoracic Surgery Paper1
Subject Name :	DrNB Cardio Vascular and Thoracic Surgery Paper1
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Actual Answer Key :	No

DrNB Cardio Vascular and Thoracic Surgery Paper1

Group Number :	1
Group Id :	327187777
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
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 :	327187780
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 : 327187784
Question Shuffling Allowed : No
Is Section Default? : null

Question Number : 1 Question Id : 32718721043 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. a) Ivabradine. [5]

b) Sildenafil. [5]

Question Number : 2 Question Id : 32718721044 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) Classify Total Anomalous Pulmonary Venous Connection (TAPVC) and mention its incidence. [4]

b) Management of mixed type of TAPVC. [6]

Question Number : 3 Question Id : 32718721045 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss various action potentials of cardiac muscle, illustrate them with suitable diagrams.
Mention common drugs acting in various phases. [5+5]

Question Number : 4 Question Id : 32718721046 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 lusitropic drugs? [2]
- b) Name any 3 of them. [3]
- c) Discuss their mechanism of action. [5]

Question Number : 5 Question Id : 32718721047 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) Azygous flow principle. [5]
- b) Retrograde cerebral perfusion. [5]

Question Number : 6 Question Id : 32718721048 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 pacemakers in cardiac practice. [3]
- b) Enumerate indications of epicardial pacemakers. [2]
- c) How will a pacemaker be implanted in a 10 Kg child who has undergone the Fontan operation?

[5]

Question Number : 7 Question Id : 32718721049 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 common organisms producing infective endocarditis? [3]
- b) What are the methods to evaluate a patient with infective endocarditis? [3]
- c) Discuss principles of its management. [4]

Question Number : 8 Question Id : 32718721050 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) Classify broncho-pulmonary segments. [5]
- b) What is the clinical significance of this classification? [5]

Question Number : 9 Question Id : 32718721051 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What are the effects of cardiopulmonary bypass on various organ systems. Discuss these in detail. [10]

Question Number : 10 Question Id : 32718721052 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 imaging modalities that are commonly used in cardiac surgical practice. Briefly discuss advantages and disadvantages of any one of these. [3]
- b) In a tabular form, write the cardiac catheterization data obtained in various left to right shunts.

[3]

c) What are the methods useful in imaging a patients who is suspected of suffering from coronary artery disease? [4]