

National Board of Examinations

Question Paper Name :	DrNB Cardiology Paper3
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Actual Answer Key :	No

DrNB Cardiology Paper3

Group Number :	1
Group Id :	3271871075
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 Cardiology Paper3

Section Id :	3271871078
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 :	3271871082
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 3271879802 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) Artificial Intelligence in Cardiology. [5]

b) Name two drugs using the anti-inflammatory pathway in the management of cardiac patients with at least one trial in support of the drugs. [5]

Question Number : 2 Question Id : 3271879803 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Types of prevention of heart disease. Illustrate with diagram and examples. [5]

b) Novel approaches to preventive cardiology: Polypill in current practice, precision medicine vs preventive medicine. [5]

Question Number : 3 Question Id : 3271879804 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Palliative surgeries in Tetralogy of Fallot. [5]

b) Fontan operation: Complications and their treatment. [5]

Question Number : 4 Question Id : 3271879805 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) EROSION III trial. [5]

b) FLOWER-MI trial. [5]

Question Number : 5 Question Id : 3271879806 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Devices used for calcium modification in coronary artery disease. [5]

b) MAPSE (Mitral Annular Plane Systolic Excursion): Methodology, clinical application and limitations. [5]

Question Number : 6 Question Id : 3271879807 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Calcified coronary artery disease: Pathophysiology, intracoronary imaging assessment and calcified plaque modification techniques (with relative advantages & disadvantages over each other). [10]

Question Number : 7 Question Id : 3271879808 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Septal ablation techniques in patients with HOCM. [5]

b) Percutaneous interventions in patients with PAH. [5]

Question Number : 8 Question Id : 3271879809 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Clinical cardiovascular manifestations of COVID-19 and the possible mechanisms involved. [5]

b) Cardiovascular and metabolic effects of air pollution. [5]

Question Number : 9 Question Id : 3271879810 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) New and emerging therapies for lowering of LDL-cholesterol. [5]

b) Newer drugs used in the treatment of PAH. [5]

Question Number : 10 Question Id : 3271879811 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Robotic PCI – Potential advantages and disadvantages. [5]

b) Describe in brief two device based therapy for hypertension. [5]