

National Board of Examinations

Question Paper Name :	DrNB Cardiology Paper1
Subject Name :	DrNB Cardiology Paper1
Creation Date :	2023-10-15 14:11:56
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Actual Answer Key :	No

DrNB Cardiology Paper1

Group Number :	1
Group Id :	3271872453
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 Cardiology Paper1

Section Id :	3271872456
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 :	3271872460
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718724763 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) Phases of clinical trials. [5]
- b) Null & alternate hypothesis, types of error and its clinical significance. [5]

Question Number : 2 Question Id : 32718724764 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) Development of aortic arch and applied anatomy. [5]
- b) Ductus dependent circulation and medical management. [5]

Question Number : 3 Question Id : 32718724765 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) Draw ventricular pressure volume loop with appropriate labeling. [6]
- b) Define Starling's Law, Laplace Law, Anrep effect and Treppe phenomenon. [4]

Question Number : 4 Question Id : 32718724766 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) Anatomy of Cardiac Venous system and its clinical application. [5]
- b) Anatomy of His bundle and its clinical application. [5]

Question Number : 5 Question Id : 32718724767 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) Coronary autoregulation and determinants of myocardial oxygen consumption. [5]
- b) Functional consequences of reversible ischemia. [5]

Question Number : 6 Question Id : 32718724768 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) Changes in circulation after birth. [5]
- b) Pathophysiology of systemic hypertension. [5]

Question Number : 7 Question Id : 32718724769 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) Neoatherosclerosis. [5]

b) Atherosclerosis after cardiac transplantation: Differences between typical atherosclerosis and graft atherosclerosis. [5]

Question Number : 8 Question Id : 32718724770 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) Non-pharmacologic management of hypertension. [5]

b) Pathophysiology of MINOCA & ANOCA. [5]

Question Number : 9 Question Id : 32718724771 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) Classification of anti-arrhythmic drugs. [5]

b) Coagulation pathway. [5]

Question Number : 10 Question Id : 32718724772 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) Newer risk factors for CAD. [5]

b) Pharmacogenomics and its application in Cardiology. [5]