

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB Cardiology Paper1
<b>Subject Name :</b>	DrNB Cardiology Paper1
<b>Creation Date :</b>	2022-12-22 22:33:52
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB Cardiology Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871296
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DrNB Cardiology Paper1

<b>Section Id :</b>	3271871299
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271871303
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718712012 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) Describe the foetal circulation. [5]
- b) Describe about the cardiovascular changes during pregnancy. [5]

**Question Number : 2 Question Id : 32718712013 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 the aortic arches. [5]
- b) Venous drainage of the heart. [5]

**Question Number : 3 Question Id : 32718712014 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe the various electrocardiographic changes observed during the treadmill test. Add a note on clinical application of each. [10]

**Question Number : 4 Question Id : 32718712015 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe about the coagulation cascade. Enumerate the drugs acting on coagulation cascade. [10]

**Question Number : 5 Question Id : 32718712016 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) Describe cardiac cycle. [5]
- b) Draw a neat labelled diagram showing relation between LV pressure, aortic pressure, heart sounds and ECG during cardiac cycle. [5]

**Question Number : 6 Question Id : 32718712017 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) Triangle of Koch and its applied aspects. [5]
- b) Mitral valve apparatus. [5]

**Question Number : 7 Question Id : 32718712018 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe about the anatomy and physiology of the endothelium, and its role in the pathogenesis of atherosclerosis. [10]

**Question Number : 8 Question Id : 32718712019 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe about the waves of Jugular Venous Pulse and their correlation with the cardiac cycle. Brief note on applied aspects of each wave with examples. [10]

**Question Number : 9 Question Id : 32718712020 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) Pathophysiology of dyspnea. [5]
- b) Pathophysiology of cardiogenic shock. [5]

**Question Number : 10 Question Id : 32718712021 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) Number needed to treat. [5]
- b) Differentiate odds ratio and relative risk. [5]