

# National Board of Examinations

**Question Paper Name :** DrNB Cardiology Paper1  
**Subject Name :** DrNB Cardiology Paper1  
**Duration :** 180  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718741325 Consider As Subjective : Yes**

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

- a) Dynamic auscultation: techniques and clinical applications. [4+4]  
b) Illustrate how to differentiate murmur of HOCM and valvular aortic stenosis. [2]

**Question Number : 2 Question Id : 32718741326 Consider As Subjective : Yes**

Discuss the development of aortic arch and the various abnormalities associated with it. [5+5]

**Question Number : 3 Question Id : 32718741327 Consider As Subjective : Yes**

Randomized controlled trials (RCT):

- a) Core principles. [4]

- b) Importance. [4]
- c) Limitations. [2]

**Question Number : 4 Question Id : 32718741328 Consider As Subjective : Yes**

Plaque erosion:

- a) Pathological features. [4]
- b) Imaging characteristics. [4]
- c) Implications to treatment. [2]

**Question Number : 5 Question Id : 32718741329 Consider As Subjective : Yes**

Atrial flutter:

- a) Mechanism. [3]
- b) Types. [3]
- c) Management. [4]

**Question Number : 6 Question Id : 32718741330 Consider As Subjective : Yes**

- a) Discuss cardiovascular physiology in pregnancy. [5]
- b) Cardiac risk stratification during pregnancy. [5]

**Question Number : 7 Question Id : 32718741331 Consider As Subjective : Yes**

Low gradient aortic stenosis (AS):

- a) Definition. [2]
- b) Classification. [4]
- c) Diagnostic algorithm. [4]

**Question Number : 8 Question Id : 32718741332 Consider As Subjective : Yes**

- a) Discuss the established genetic causes of hypertrophic cardiomyopathy and its current clinical utility. [5]
- b) Approach to clinical genetic evaluation of dilated cardiomyopathy. [5]

**Question Number : 9 Question Id : 32718741333 Consider As Subjective : Yes**

Aldosterone related cardiovascular disease and benefits of MRAs in clinical practice. [5+5]

**Question Number : 10 Question Id : 32718741334 Consider As Subjective : Yes**

- a) Fick principle. [5]
- b) Laplace law. [5]