

National Board of Examinations

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

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718740454 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

1. a) Hazard ratio and odds ratio. [5]
b) ROC curve. [5]

Question Number : 2 Question Id : 32718740455 Consider As Subjective : Yes

- a) Embryology of aortic arch. [5]
b) Pericardial reflection and its surgical significance. [5]

Question Number : 3 Question Id : 32718740456 Consider As Subjective : Yes

- a) Laplace's law. [5]
- b) Poiseuille equation. [5]

Question Number : 4 Question Id : 32718740457 Consider As Subjective : Yes

- a) Physiologic regulation of pulmonary vascular resistance. [5]
- b) Fallacies in assessment of PVR by cardiac cath data. [5]

Question Number : 5 Question Id : 32718740458 Consider As Subjective : Yes

- a) Echocardiographic evaluation of RV function. [5]
- b) Genetic evaluation of hypertrophic cardiomyopathy. [5]

Question Number : 6 Question Id : 32718740459 Consider As Subjective : Yes

- a) Role of calcium in action potential. [5]
- b) Genetics of congenital heart disease. [5]

Question Number : 7 Question Id : 32718740460 Consider As Subjective : Yes

Explain with the help of diagram(s), anatomy of fetal circulation and oxygen saturation in various chambers. [10]

Question Number : 8 Question Id : 32718740461 Consider As Subjective : Yes

- a) Criteria for severe pulmonary regurgitation on echocardiography. [5]
- b) Tissue doppler imaging – Basic principles and clinical utility. [5]

Question Number : 9 Question Id : 32718740462 Consider As Subjective : Yes

- a) Qp effective. [3]
- b) Hemodynamic classification of severe PAH. [7]

Question Number : 10 Question Id : 32718740463 Consider As Subjective : Yes

- a) Three vessel view in fetal echocardiography. [5]
- b) Diagnosis of fetal tachyarrhythmia. [5]