

DNB CARDIOLOGY PREVIOUS YEARS QUESTION PAPERS

PAPER I

1. FIBROUS SKELETON OF HEART.
2. MYOCARDIAL CONTRACTILITY.
3. ION CHANNELS
4. MECHANISM OF PULMONARY EDEMA
5. HEMODYNAMICS OF UNIVENTRICULAR HEART
6. HEMODYNAMICS OF CONSTRICTIVE VS RESTRICTIVE PHYSIOLOGY.
7. CURRENT PREVALENCE OF RHEUMATIC HEART DISEASE.
8. CHROMOSOMAL ABERRATION IN CARDIOVASCULAR DISEASE.
9. ESTIMATION OF CORONARY BLOOD FLOW
10. MYOCARDIAL REGENERATION.
11. PHYSIOLOGY OF TRANSPLANTED HEART
12. PHASE -0—OF ACTION POTENTIAL.
13. PATHOPHYSIOLOGY OF UNSTABLE PLAQUE
14. MECHANISM OF EXERCISE INDUCED REDUCTION IN CARDIOVASCULAR MORBIDITY AND MORTALITY.
15. METABOLIC SYNDROME
16. VENTRICULAR REMODELING
17. GENETIC BASIS OF LONG QT SYNDROME

18. CORONARY FLOW RESERVE
19. STATUS OF STREPTOCOCCAL VACCINE FOR RHEUMATIC FEVER PROPHYLAXIS
20. REVERSE CHOLESTEROL TRANSPORT
21. DISCUSS THE EMBRYOLOGY AND CONGENITAL ANOMALIES OF CORONARIES ARTERIES (25 MARKS)
22. CARDIOVASCULAR APPLICATION OF TISSUE DOPPLER IMAGING
23. GENETICS OF HYPERTROPHIC CARDIOMYOPATHY
24. NEUROHUMORAL REGULATION IN HEART FAILURE
25. SECOND HEART SOUND IN HEALTH AND DISEASE
26. ROLE OF VITAMIN E AND OTHER ANTIOXIDANTS IN PREVENTION
27. DISCUSS EMBRYOLOGY OF THE SYSTEMIC VEINS AND EMBRYOLOGICAL BASIS OF THE ABNORMAL SYSTEMIC VENOUS CONNECTIONS.
28. PATHOBIOLOGY OF PRIMARY PULMONARY HYPERTENSION AND ITS THERAPEUTIC IMPLICATION
29. GPIIb/IIIa INHIBITORS
30. MOLECULAR BASIS OF CARDIC ELECTROPHYSIOLOGY AND ARRHYTHMIAS
31. ENHANCED EXTERNAL COUNTERPULSATION IN CARDIOVASCULAR DISEASE MANAGEMENT
32. HEART RATE VARIABILITY IN HEALTH AND DISEASE

- 33.DISCUSS THE GENETIC BASIS, HEMODYNAMIC FEATURES AND CURRENT CONCEPT IN THE MANAGEMENT OF HCM
- 34.HIBERNATING MYOCARDIUM
- 35.HARMONAL REPLACEMENT THERAPY AND CORONARY ARTERY DISEASE
- 36.PATHOPHYSIOLOGICAL CONSEQUENCE OF PULMONARY THROMBOEMBOLISM
- 37.NEURO CARDIOGENIC SYNCOPE
- 38.GENE THERAPY IN ISCHEMIC HEART DISEASE
- 39.DISCUSS THE EMBRYOLOGY OF AORTIC ARCH AND EMBRYOLOGICAL BASIS OF AORTIC ARCH ANOMALIES
- 40.NON CONVENTIONAL RISK FACTORS FOR CAD
- 41.TYPES OF PDA AND ITS IMPLICATIONS ON PERCUTANEOUS CLOSURE INTERVENTION
- 42.HEMODYNAMICS OF CARDIAC TAMPOONADE
- 43.ANATOMY OF ARTERIO-VENTRICULAR BYPASS TRACTS AND THEIR CLINICAL SIGNIFICANCE
- 44.HEAD UP TILT TEST
- 45.DISCUSS THE ANATOMY OF SINUS NODE, ETIOLOGY, DIAGNOSTIC EVALUATION AND MANAGEMENT OF SINUS NODE DYSFUNCTION
- 46.CONGENITAL LONG QT SYNDROME
- 47.PRO- ARRHYTHMIC EFFECTS OF CARDIO ACTIVE DRUGS
- 48.EVALUATION OF PROSTHATIC VALVE FUNCTION

49. SURGICAL OPTIONS IN HEART FAILURE
50. LEFT ATRIAL COMPLIANCE
51. DISCUSS IN DETAILS PATHOPHYSIOLOGY OF EBSTEIN'S ANOMALY OF TRICUSPID VALVE, ITS DIAGNOSIS AND MANAGEMENT
52. LEFT VENTRICULAR HYPERTROPHY AND ITS REGRESSION
53. NONCONVENTIONAL / NEWER RISK FACTORS IN THE DEVELOPMENT OF CAD
54. ROLE OF INTRAOPERATIVE TRANSESOPHAGEAL ECHOCARDIOGRAPHY
55. VARIOUS METHODS OF CALCULATION OF MITRAL VALVE AREA IN PATIENTS WITH MITRAL STENOSIS]
56. GPIIb/IIIa RECEPTORS BLOCKERS AND THEIR UTILITY IN THE MANAGEMENT OF UNSTABLE CORONARY SYNDROME
57. DISCUSS THE CURRENT CONCEPT OF ETIOLOGY OF NON-SPECIFIC AORTOARTERITIS AND DESCRIBE THE MANAGEMENT
58. PATHOGENESIS OF DIABETIC CARDIOMYOPATHY
59. CARDIAC SYNDROME X
60. PRECONDITIONING IN MYOCARDIAL ISCHEMIA
61. JNC VI CRITERIA IN HYPERTENSION
62. ANTIOXIDANTS
63. DESCRIBE BRIEFLY THE PATHOPHYSIOLOGY OF ACUTE CORONARY SYNDROME

64. DIASTOLIC HEART FAILURE
65. RATE RESPONSIVE PACEMAKER
66. NITRIC OXIDE IN PULMONARY ARTERY HYPERTENSION
67. ANGIOTENSIN II RECEPTOR BLOCKER
68. EMBRYOGENESIS OF VSD AND ITS CLASSIFICATION
69. DESCRIBE THE DEVELOPMENT OF ASD, CLINICAL PRESENTATION AND MANAGEMENT OF COMPLEX AV CANAL DEFECTS
70. APOPTOSIS
71. HEMODYNAMICS OF TOTAL ANOMALOUS PULMONARY VENOUS DRAINAGE
72. PATHOGENESIS OF ISCHEMIC HEART DISEASE IN DIABETES
73. NEURAL MEDIATED SYNCOPE
74. MECHANISM OF IN STENT RESTENOSIS
75. DISCUSS THE ROLE OF ENDOTHELIUM IN MODULATION OF VASCULAR FUNCTION
76. EXCITATION CONTRACTION COUPLING
77. INFLAMMATORY HYPOTHESIS OF ATHEROSCLEROSIS PRESENT STATUS
78. ION CHANNELS OF HEART
79. PATHOLOGY OF RIGHT VENTRICULAR INFARCTION
80. HEMODYNAMICS OF HYPERTENSION

81.DISCUSS THE EMBRYOGENESIS OF TOTAL ANOMALOUS PULMONARY VENOUS CONNECTION AND ITS CLASSIFICATION

82.ELECTROLYTE DISORDER IN CHF

83.DOPPLER TISSUE IMAGING

84.QUANTITATIVE CAG

85.ANTI SENSE TECNOLOGY

86.FUNCTIONAL T WAVE CHANGES IN SURFACE ECG

87.DISCUSS THE MECHANISM OF CARDIAC RESERVE

88.ATRIFICIAL SENSORS IN CARDIAC PACING AND THEIR RATIONALES

89.CALCIUM CHANNELS MODULATION BY PHARMACOLOGICAL AGENTS

90.ANP

91.EMBRYOLOGY OF ASD

92.DISCUSS THE DETAILS OF AORTIC ARCH SYSTEM ITS DEVELOPMENT FATE AND MALFORMATION

93.ANISOTROPY

94.HANGOUT INTERVAL

95.CORONARY HEMOPERFUSION

96.SERUM TROP T

97.FETAL CHF

98.DISCUSS THE VASOMOTOR REGULATORY MECHANISM

- 99. PATHOLOGY OF CONGENITAL AS
- 100. CIRCULATORY ADAPTATION AT BIRTH
- 101. CORONARY SINUS
- 102. IMMUNE MECHANISM IN INFECTIVE ENDOCARDITIS
- 103. COLLAPSING PULSE
- 104. DISCUSS CURRENT KNOWLEDGE ON HDL CHOLESTEROL
- 105. BLOOD PRESSURE REGULATION BY BARORECEPTORS
- 106. MECHANISM OF HEART RATE VARIABILITY
- 107. COLLATERAL VESSELS IN CAD
- 108. FOETAL CIRCULATION
- 109. HYPERDYNAMIC CIRCULATION
- 110. METHODS OF DETECTING ATRIAL ACTIVITY
- 111. CRISS CROSS HEART
- 112. CONDUITS IN CARDI VASCULAR SURGERY
- 113. HIRUDIN
- 114. SUPPORTED CORONARY ANGIOPLASTY
- 115. SECOND HEART SOUND
- 116. NO REFLOW RESPONSE
- 117. LATE POTENTIALS
- 118. DYNAMICS OF STENOTIC LESIONS

119. CAROTID SINUS MASSAGE
120. CLOTTING MECHANISM AND THROMBOXANE A₂
121. DESCRIBE THE CONDUCTION SYSTEM AND DISCUSS THE INTRAHEART BLOCKS
122. PULMONARY BLOOD FLOW IN COMPLETE TRANSPOSITION OF GREAT VESSELS
123. RATE RESPONSIVE PACEMAKERS
124. CORONARY SINUS RETROPERFUSION
125. DEVELOPMENT OF AORTAL TRUNK
126. MECHANISM OF GALLOP SOUND
127. DISCUSS MYOCARDIAL METABOLISM AND ITS ASSESSMENT
128. ENDOTHELIAL HUMORAL FACTORS
129. PHARMACOLOGICAL MANIPULATION OF DUCTUS IN CHD
130. APOLIPOPROTEINS
131. DISCUSS THE CURRENT CONCEPT IN PATHOPHYSIOLOGY, DIAGNOSIS AND MANAGEMENT OF UNSTABLE ANGINA
132. NON-CORONARY THROMBOLYSIS
133. CIRCADIAN RHYTHM IN CARDIOVASCULAR DISEASE
134. SELECTION OF PACEMAKER MODE FOR MANAGEMENT OF SYMPTOMATIC BRADYCARDIA
135. CURRENT CONCEPT IN CARDIAC IMAGING
136. PERCUTANEOUS CARDIOPULMONARY SUPPORT

137. INDETERMINATE AXIS

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