

FINAL EXAM  
 DECEMBER 2015

NATIONAL BOARD OF EXAMINATIONS

**CARDIOLOGY**
**PAPER – I**

CARD/D/15/05/I

 Time : 3 hours  
 Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write short notes on:**

1.	Hangout Interval: mechanism & significance.	5+5
2.	Embryological development of superior and inferior vena cava, their developmental anomalies and their clinical implications.	4+3+3
3.	Role of pericardium in health and disease.	10
4.	Autophagy.	10
5.	Left ventricular wall stress.	10
6.	Cardiac Titin: Structure, function & role in disease.	3+3+4
7.	Anatomy, basal intervals of normal cardiac conduction system and functional evaluation of SA node and AV node.	3+2+5
8.	TIMI flow and Myocardial blush grade classification and their clinical utility.	5+5
9.	Coronary collateral circulation and its role in coronary interventions.	5+5
10.	Role of cardiac biomarkers as point of care testing in the emergency room.	10

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