

FINAL EXAM  
JUNE 2013

NATIONAL BOARD OF EXAMINATIONS

**CARDIOLOGY**

PAPER - III

CARDIO/J/13/05/III

Time : 3 hours  
Max. Marks : 100Attempt all questions in order.  
Each question carries 10 marks.

1. Describe therapeutic hypothermia and its role in cardiac arrest. 5+5
2. What is the pharmacogenetic approach to warfarin therapy? What are the advantages? 7+3
3. Outline the non pharmacological treatment of hypertension and discuss the evidence of its beneficial effect. 6+4
4. Discuss the Characteristics and applications of real time 3D Echo. 6+4
5. FREEDOM Trial: Describe inclusion criteria and results. 5+5
6. What are drug eluting balloons? What is the current status of drug eluting balloons in PCI? 4+6
7. What are the causes of Troponin-I elevation? Discuss pitfalls of Troponin elevation in diagnosis of ACS (Acute Coronary Syndrome). 4+6
8. Describe transcatheter aortic valve implantation. What are the current indications and complications? 5+(3+2)
9. Describe the therapeutic options in management of coarctation of aorta. What are growth stents? 7+3
10. What are the current indications and status of Fetal Cardiac interventions? 5+5

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