

**QP Code:104501**

**Reg.No.:.....**

**D.M. (Cardiology) Degree Examinations - July 2014**

**Paper IV – Recent Advances in Cardiology**

**Time: 3 hrs**

**Max marks:100**

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

**Essay:**

**(20)**

1. Discuss the indications for cardiac transplantation, guidelines in selecting donors and recipients. Add a note on problems of immuno-suppression and post – transplant complications

**Short essays:**

**(8x10=80)**

2. Discuss the role of renal denervation in treatment of hypertension
3. What are bio-absorbable stents. Outline the current status
4. Physiology and hemodynamic basis of ventricular assist devices
5. Newer anti platelet agents
6. Cardiac resynchronization therapy
7. Stem cell therapy in cardiovascular disease
8. Optical coherence tomography
9. Role of ticagrelor and mention the trials supporting its role in cardiology

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