

QP Code: 311017

Reg. No.: .....

**Third Year BCVT Degree Supplementary Examinations September 2021**

**Cardiac Catheterization and Cath Lab**

**(2014 Scheme)**

**Time: 3 Hours**

**Max Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers.*
- *Draw Diagrams wherever necessary.*

**Essay**

**(20)**

1. Discuss permanent pacing – its indications, different types of pacing, technique of DDD pacing and complications.

**Short notes**

**(10x8=80)**

2. Indications of right ventricular angiography
3. Types of balloon used for angioplasty
4. What are the different approaches we can do coronary angiogram. Name one common complications of each approach.
5. Biodegradable coronary stents
6. What is a guiding catheter. What are the different guides you know. Discuss the condition where each guide can be used
7. Aortic balloon dilatation –indication, technique, complication
8. Role of device closure in congenital heart disease. Note an atrial septostomy and its indications
9. Pressure damping
10. Types of dyes used in coronary angiogram and PTCA and their molecular concentrations
11. How to calculate the size of balloon in PTMC

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