

**QP Code: 302017**

Reg.No.: .....

Final Year BCVT Degree Supplementary Examinations - February 2016

**ECG, Echo, Holter**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essay**

**(20)**

1. Explain principles of ultrasound/echocardiography, various types of transducers and its applications. Explain the relation between surface area, frequency and near and far field relation.

**Short notes**

**(10x8=80)**

2. Non-coronary indications of TMT
3. Types of ST-T changes in TMT
4. Severity assessment of aortic stenosis by echo
5. ECG criteria for RVH in neonates
6. Strongly positive stress test
7. Indications and contra indications of TEE
8. Echo in ASD
9. Contrast echocardiography
10. Narrow complex tachycardia
11. LVEF assessment by echo

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