

QP Code: 201017

Reg. No.: .....

**Second Year BCVT Degree Supplementary Examinations August 2023**  
**ECG, Echo, Holter**  
**(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 table/diagrams/flow charts wherever necessary*

**Essay**

**(20)**

1. Write briefly on exercise physiology. Discuss the variables tested, methods used and interpretation of variables in stress ECG testing (Treadmill Testing).

**Short notes**

**(10x8=80)**

2. Hexaxial reference frame.
3. ECG criteria for left ventricular hypertrophy.
4. ECG changes in myocardial infarction.
5. Trans esophageal echo – preparation of the patient and contraindications.
6. Utility of intravascular ultrasound.
7. Contrast echo.
8. Analysis and interpretation of holter
9. Second degree heart block.
10. Severity of mitral regurgitation assessment in echo.
11. Draw and mark trans esophageal bicaval view in atrial septal defect.

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