

QP Code: 101017

Reg. No.: .....

**First Year BCVT Degree Regular/Supplementary Examinations  
February 2023**

**Basic Sciences**

**(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. Describe Cardiac Cycle in detail.

**Short notes**

**(10x8=80)**

2. Revised Jones Criteria.
3. Left Main Coronary artery and L-PDA (Left Posterior descending artery).
4. Define Arterial Pulse. Describe different types of pulses.
5. Define third heart sound. How is it generated. Conditions producing it.
6. Ebstein's anomaly.
7. Pulmonary artery hypertension. Classification and pathogenesis.
8. Diagnostic criteria and common organisms causing infective endocarditis.
9. Causes and mechanism of mitral regurgitation.
10. Dopamine, uses, dose and side effects.
11. Systolic murmur. Explain about bicuspid aortic valve.

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