

QP Code: 101017

Reg. No.: .....

**First Year BCVT Degree Supplementary Examinations September 2022**

**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. What is blood pressure. Briefly explain Korotkoff sound and palpatory method of blood pressure measurement.

**Short notes**

**(10x8=80)**

2. The anatomical features of semilunar valves.
3. Discuss on the pathophysiology of tricuspid valve disease.
4. Conduction system.
5. Explain pathophysiology of acute myocardial infarction.
6. Define pulmonary hypertension and mention various types with example.
7. Explain on Phases of Cardiac Cycle.
8. Explain systemic circulation with a flow chart.
9. Explain first and second heart sounds and its abnormal condition.
10. The various causes of continuous murmur and its clinical implication.
11. Explain the pathophysiology of rheumatic fever

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