Bachelor in Cardiovascular Technology (BCVT) Examination

(Model Question Paper)

Basic Sciences

Time: 3hrs   **Maximum marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay   **(20)**

1. Explain in detail the normal cardiac cycle.

Short notes   **(10x8=80)**

2. Dobutamine

3. Blood culture

4. Sterilization techniques

5. Universal aseptic precausions

6. Boyles apparatus

7. Noninvasive BP measurement

8. Placement of ECG leads- routine

9. Femoral artery pressure tracing

10. Anatomy of coronary sinus

11. Coronary circulation

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Bachelor in Cardiovascular Technology (BCVT) Examination

(Model Question Paper)

Applied Sciences – ECG, ECHO, HOLTER

Time: 3hrs   **Maximum marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay   **(20)**

1. Wrie down briefly the echocardigraphic features of mitral stenosis .Draw the pressure trace of severe mitral stenosis. Describe noninvasive   management of mitral stenosis.

Short notes   **(10x8=80)**

2. Tread mill test

3. Mitral valve M - mode in echo

4. Pulmonary artery hypertension

5. Atrial fibrillation

6. Dukes score

7. Indications of Holter monitoring

8. Continuity equation and its applications in echo lab

9. Colour Doppler echocardiography

10. Normal ECG

11. Stress echocardiography

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QP Code: Reg. No.:…………………………

Bachelor in Cardiovascular Technology (BCVT) Examination

(Model Question Paper)

Cardiac Catheterization & Cathlab Procedures

Time: 3hrs   **Maximum marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay   **(20)**

1. Coronary angiography techniques, views, clinical usefulness. Briefly describe on the contrast media used in cathlab.

Short notes   **(10x8=80)**

2. Radiation hazards

3. Holter monitoring

4. PTCA

5. Balloon mitral valvotomy

6. Permanent pacemaker

7. Echocardiography in nitral stenosis

8. Coronary guide wire

9. Fractional flow reserve

10. Cardiopulmonary resuscitation

11. IABP

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