7/24

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Cardiac Care Technology

[Time: 3 Hours] [Max. Marks: 80]

VI SEMESTER

PAPER - I (Cardiac Catheterization)

QP CODE: 8635

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions **10X1 = 10 Marks**

1. Explain Atherectomy.

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Explain Emergency drugs used in cardiac catheterization.
3. Explain complications of cardiac catheterization.
4. Explain coronary artery with ladled diagram.
5. Explain foreign body retrieval.
6. Explain ACLS.
7. Explain post-operative patient management.
8. Explain procedure of TAVI.
9. Explain renal artery intervention.
10. Explain Ischemic Heart Disease.

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. Management of hypotension.
12. Management of acute angina.
13. PT INR.
14. What are Ventilators?
15. Inotropic Actions of heart.
16. Radial artery catheterization.
17. Different types of central line cannula
18. What is infective heart disease?
19. Write about pace maker.
20. Normal cardiac chamber pressure.
21. Activated clotting time.

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VI SEMESTER

PAPER - II (Pediatric Intervention)

QP CODE: 8636

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions **10X1 = 10 Marks**

1. Briefly explain pediatric patient examination for percutaneous procedures

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Briefly explain PDA Closure procedure
3. Briefly explain VSD closure devises
4. Write about ADO oclluder
5. Explain anesthesia management during devise closure procedure
6. What is PFO? Explain PFO closure procedure
7. Briefly explain complications during percutaneous devise closure procedure
8. Explain Congenital Heart Disease
9. Explain ASD Closure procedure
10. Explain pediatric BLS

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. Write rims of VSDS
12. Explain Nit oclluder
13. Write type of ASD
14. How do you confirm PDA in Echocardiography
15. Write Classification Of PDA
16. Name rims of ASD
17. What is the role of cardiac care technologist in percutaneous procedures
18. Write Methods of measuring temperature in pediatric patient
19. Writ examination thorax and heart in pediatric patient
20. Write steps of arterial septal aneurism
21. Write management of cyanotic heart disease

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IV SEMESTER

PAPER - III (Advanced Echocardiography)

QP CODE: 8437

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions **10X1 = 10 Marks**

1. Echocardiographic evaluation Mitral Stenosis and Aortic Stenosis.

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Echo Features of Hypertrophic Cardiomyopathy.
3. Write Echo features of Mitral Regurgitation.
4. Write different method to calculate LV Systolic Function.
5. Echo features of Pulmonary Hypertension.
6. Draw LV Segments.
7. Write Indications and contraindication of Stress Echo.
8. Write Types of ASDs and its Echo features.
9. Wilkins Score for Mitral Stenosis.
10. Echo features of VSD and writes different types.

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. Pericardial effusion.
12. Flail mitral valve.
13. LV Mass calculation.
14. Write Indications for Transesophageal echo.
15. Pressure Half Time.
16. Explain Nyquist Limit.
17. Continuity Equation.
18. How to calculate stroke volume by echo.
19. PISA Method.
20. Write Difference between RV and LV.
21. Normal LV and RV measurements.

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B.Sc. in Cardiac Care Technology

[Time: 3 Hours] [Max. Marks: 80]

IV SEMESTER

PAPER - IV (CCT Directed Clinical Education - II)

QP CODE: 8438

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions **10X1 = 10 Marks**

1. Explain Advance life support.

Short Essays: (Any – 8) **5 X 8 = 40 Marks**

2. Explain sterilization in detail.
3. Name different types of radiations. Briefly explain them.
4. Write about colloid IV fluids.
5. What is autoclave? Briefly explain.
6. Write briefly about defibrillator.
7. What is TMT? Explain the procedure.
8. What are vital signs? Write their normal range.
9. How to properly dispose Biochemical waste?
10. Briefly explain safety measures against radiation in Cath lab.

Short Answers: (Any – 10) **3 X 10 = 30 Marks**

11. Types of transducers used in echo.
12. Write basic principle of ECG.
13. Write about Lignocaine.
14. What are alpha rays?
15. Write about pasteurization.
16. Hot air oven
17. What are antibiotics?
18. Write about DNS
19. What is intubation?
20. Basic life support.
21. What are ventilators?