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 BMV.

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

2. Atherectomy.

3. Explain ACLS.

4. Emergency drugs used in Cath lab.

5. Explain emergencies in cardiac catheterization.

6. Explain radial artery catheterization.

7. Post CAG patient management.

8. Explain aortic and mitral valve anatomy and pathophysiology in detail.

9. Explain foreign body retrieval.

10. Renal artery Pathology.

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

11. What is Basic Life support?

12. Name 3 arterial disease.

13. What is cardiac arrest?

14. Write Sterility management in operating room.

15. What are ventilators?

16. Explain Adrenaline as an emergency drug.

17. Write types of foreign bodies.

18. Write difference between Atherectomy and Thrombectomy

19. What is Embolectomy?

20. Causes for coronary artery disease.

21. Draw a neat labeled diagram of coronary arteries.

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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. Explain VSD closure procedure in detail

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

2. What is PFO? Briefly explain

3. Briefly explain complications during percutaneous devise closure procedure

4. Explain anesthesia management during percutaneous devise closure procedure

5. Briefly explain pediatric patient examination for percutaneous procedures

6. Explain complications after devise closure procedure

7. Explain pediatric BLS

8. Briefly explain PDA closure procedure

9. Briefly explain ASD closure procedure

10. Explain congenital heart disease

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

11. Write management of cyanotic heart disease

12. Write steps of arterial septal aneurism

13. Write examination of thorax and heart in pediatric patient

14. What is the role of cardiac care technologists in percutaneous procedures

15. Write methods of measuring temperature in pediatric patient

16. Name 3 ASD closure devises

17. Write classification of PDA

18. How do you confirm PDA in Echocardiography

19. Write types of ASD

20. Write types of VSD

21. Write signs and symptoms of ASD&VSD

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VI SEMESTER
PAPER - III (Cardiac Surgery and Bypass Techniques)
QP CODE: 8637

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

Long Questions   10X1 = 10 Marks

1. Explain blood,platelet,plasma transfusion indication contraindication and uses

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

2. Briefly explain CABG procedures
3. Activated Clotting Time
4. Briefly explain what are the indications to refer a patient for CABG procedure after CAG
5. Briefly explain artificial valves
6. Explain blood components with their uses
7. Explain IABP
8. Briefly explain components of CPB
9. Briefly explain Lung transplant procedure
10. Heparin induced thrombocytopenia

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

11. Name clotting factors
12. Complications pf artificial valves
13. What are the arteries and veins used for grafting in CABG procedure
14. Define counter pulsation
15. Indications for heart transplant
16. Define cardiopulmonary bypass
17. Write indications for fresh frozen plasma transfusion
18. Name blood proteins
19. What are bio prosthetic valves? Give Example
20. Name causes of RHD
21. What is double vessel disease? give example