

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Cardiac Care Technology

[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER

PAPER - I (Applied Anatomy, Physiology & Pharmacology)

QP CODE: 8335

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

QP CODE: 8335 (Anatomy & Physiology)

Long Questions

10X1 = 10 Marks

1. What is Blood pressure and explain regulation of Blood pressure

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Angina pectoris
3. Aortic aneurysm
4. Capillaries and Sinusoids
5. Anastomosis
6. Physiology of Carotid bifurcation

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Mitral valve prolapse
8. Sphygmomanometer
9. Semilunar valves
10. Arch of aorta & its branches
11. Pulse
12. Homeostasis

QP CODE: 8338 (Pharmacology)

Long Questions

10X1 = 10 Marks

1. Describe mechanism of action, therapeutic uses and adverse effects of adrenaline

Short Essays: (Any – 4)

5 X 4 = 20 Marks

2. Therapeutic uses and adverse effects of Beta - blockers
3. Digoxin – mechanism of action and Therapeutic uses of Digoxin.
4. Mechanism of action and Therapeutic uses of Penicillins.
5. Mechanism of action and Therapeutic uses of Morphine.
6. Mechanism of action and Therapeutic uses of Aspirin.

Short Answers (Any – 5)

2 X 5 = 10 Marks

7. Name three lipid lowering agents.
8. Name six blood volume expanders.
9. Define pro-drug. Name two prod rugs.
10. Three advantages of Cetirizine.
11. Name three hepatic microsomal inducers.
12. Write three uses of Prazosin.

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Cardiac Care Technology

Jan-2023.

[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER

PAPER - II (Basic Electrocardiography)

QP CODE: 8336

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Conduction System of Heart. ECG in AV Blocks

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Stress Test : Indications And Contraindications
3. RVH Criteria
4. Ischemia Changes In ECG
5. LA Enlargement
6. RBBB
7. LVH
8. Normal ECG
9. Rate And Rhythm In ECG
10. Electrical Axis

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. QT Segment Importance
12. Standardization
13. Artifacts In ECG
14. Artifacts In Stress Test
15. Lead Placement In ECG
16. Complete Av Block
17. Sinus Bradycardia
18. Trifasicular Block
19. Lead Placement In Stress Test
20. How to calculate the Heart Rate
21. Rohmit And Estes Point Score System

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Cardiac Care Technology

Jan-2023

[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER

PAPER - III (Basic Echocardiography)

QP CODE: 8337

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Heart Murmurs, Types, Causes , Correlation With Echocardiography

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Color Flow imaging
3. M-Mode Echocardiography
4. Measurements In Echocardiography
5. Heart Sounds
6. Doppler Principle
7. Transducer: Basic Principles
8. Tissue Doppler Imaging
9. Various Knobs On Echo Machine And Its Function
10. Explain Various Views In Echo

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Basic Principles Of Echo
12. Piezoelectric Crystals And Its Effect
13. Bernoulli Principle
14. Continuous Murmur
15. Types Of Transducers
16. What murmur is Heard in Mitral Stenosis
17. High Pulse Repetition Frequency
18. Color M-mode Echocardiography
19. Contrast Echo
20. Laminar Blood Flow And Turbulence
21. Five Normal Variants In Echo