

BLDE (DEEMED TO BE UNIVERSITY)

July-2023

B.Sc. in Cardiac Care Technology

[Time: 3 Hours]

[Max. Marks: 80]

QP CODE: 8335/8338

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Section 8335 (Anatomy & Physiology)

Long Questions

10X1 = 10 Marks

1. What is Blood pressure? 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

Very Short Essay (Any – 5)

2 X 5 = 10 Marks

7. Pulse

8. Homeostasis

9. SA node

10. Axillary Artery

11. Azygous system

12. Anterior Internal Thoracic artery

Section B (Pharmacology)

Long Questions

10X1 = 10 Marks

13. Describe mechanism of action, therapeutic uses and adverse effects of Alpha-Blockers.

Short Essays: (Any – 4)

5 X 4 = 20 Marks

14. Describe briefly about adverse drug reactions.

15. Write pharmacological basis for use of Pilocarpine in Glaucoma.

16. Mechanism of action and Therapeutic uses of Amiodarone.

17. Mechanism of action and Therapeutic uses of Enalapril.

18. Therapeutic uses and adverse effects of Adrenaline.

Short Answers (Any – 5)

2 X 5 = 10 Marks

19. Mechanism of action of Dextran.

20. Three therapeutic uses of Penicillins.

21. Three therapeutic uses of Aspirin.

22. Write three uses and three contraindications to Morphine.

23. Define plasma half-life and write its significant.

24. Write three uses and three contraindications to Atropine.