

BLDE (DEEMED TO BE UNIVERSITY)*July-2022***B.Sc. in Anaesthesia Technology**

[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER**PAPER - I (Introduction to Operation Theatre)****QP CODE: 8350**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions**10X1 = 10 Marks**

1. Enumerate the steps in preparation of patient for Epidural anaesthesia in sitting position & the techniques used for identification of epidural space. (10 marks)

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

2. Enumrate inhalational Anaesthetic agents used in OT & explain briefly about Isoflurane.
3. Propofol.
4. Enumerate drugs used for spinal anaesthesia
5. Classify Types of Anaesthesia
6. Importance of Nil per oral (NPO)status
7. Comapre LMA with O2 mask
8. Indications & contraindications of Blood transfusion
9. ET tube-Explain parts and uses
10. Capnography

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

11. Magill forceps
12. Gycopyrrolate
13. Name 3 upper limb blocks
14. Lignocaine-preparations
15. 3 uses of Thiopentone
16. Bradycardia
17. Types of cylinders
18. Ondanestron
19. Vecuronium
20. Oropharyngeal Airway-Diagram & Label
21. Atropine-3 uses

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III SEMESTER

PAPER - II (Introduction to Anaesthesia Technology)

QP CODE: 8351

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. How do you prepare patient for brachial plexus block. Mention the indications for brachial plexus block & complications of the same.(10 marks)

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. How do you monitor a patient in post anaesthesia care unit?
3. Nitrous oxide-properties
4. Comparison between LMA and ET tube
5. How do you conduct safe blood transfusion.
6. Laryngeal mask airway. Neat labelled diagram.
7. Advantages & Disadvantages of LMA
8. Ketamine different preparations
9. How do you do non invasive monitoring?
10. NIBP importance

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Name any three local anaesthetic agents with concentration used.
12. Difference between Vecuronium and atracurium .
13. Name agents used for reversal from general anaesthesia.
14. Glycopyrrolate-uses
15. Mention the major blood products commonly used.
16. Three commonly used steroids in anaesthesia .
17. Thiopental sodium-uses.
18. Depolarising muscle relaxants.
19. Mention Nondepolarising muscle relaxants used in operation theatre.
20. What are commonly used regional blocks.
21. Xylocaine-uses

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III SEMESTER
PAPER - III (Principles of Anaesthesia)
QP CODE: 8352

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

Long Questions

10X1 = 10 Marks

1. Describe oxygen cylinder with respect to different sizes & their uses in clinical practice.
(10 marks)

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Bain circuit – Neat labelled diagram
3. Non rebreathing oxygen mask – Advantages & disadvantages
4. Capnography
5. ENTONOX
6. JR circuit
7. Compare simple face mask with Nasal cannula
8. Describe Nitrous oxide cylinder with respect to pressure, volume, pin index & colour
9. Various routes of injection
10. AMBU

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. DISS for piped gases
12. Urine output – Importance
13. Pulse oxymeter – sites
14. Ryles tube – sizes
15. Blood sugar levels
16. Importance of input & output chart
17. Various sites of IM injection
18. Advantages of circle system
19. IV cannula – colour coding with sizes
20. Name the conditions where pulse oximeter readings are inaccurate
21. Air cylinder

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III SEMESTER

PAPER - IV (AT/OT Directed Clinical Education I)

QP CODE: 8353

Your answer should be specific to the questions asked.

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Long Questions

10X1 = 10 Marks

1. Describe normal respiration & relevant anatomy with respect to anaesthesia practice. (10 marks)

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Hand wash technique
3. Methods to reduce infection in OT complex
4. Describe liquid oxygen
5. Describe components of circle system
6. Describe normal intubation procedure briefly
7. Positioning in anaesthesia
8. Describe cardiac cycle with labelled diagram
9. Neat labelled diagram of glottic opening
10. Describe different types of masks

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Different sizes of laryngoscope blades
12. Upper respiratory tract oxygen components
13. Importance of liquid oxygen
14. What is hypertension
15. What is bradycardia
16. Ischemic heart disease importance to anaesthesia
17. Biomedical waste management
18. Difference between Macintosh blade vs Miller's blade.
19. Types of vaporisers
20. Normal respiratory rate at different ages.
21. List the major valvular heart disease.