

BLDE (DEEMED TO BE UNIVERSITY)

7/24

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. Write brief note on the steps in preparation of patient for Epidural anaesthesia in sitting position & techniques on how to identify epidural space.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Enumerate drugs used for spinal anaesthesia.
3. Compare LMA with ET tube.
4. Capnography-diagram and explain in detail.
5. Indications & contraindications of blood transfusion.
6. ET tube – Explain parts and uses.
7. Enumerate inhalational Anaesthetic agents used in OT & explain briefly about Isoflurane.
8. Propofol.
9. Classify types of Anaesthesia.
10. Importance of Nil per Oral (NPO) status.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

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

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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.

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 3 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 Non-depolarising muscle relaxants used in operation theatre.
20. What are the commonly used regional blocks?
21. Lignocaine - uses.

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B.Sc. in Anaesthesia Technology

5/09/2024

[Time: 3 Hours]

[Max. Marks: 80]

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 normal respiration & relevant anatomy with respect to anaesthesia practice.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Entonox
3. Paediatric circuit
4. Oxygen cylinder
5. Ambu bag
6. Describe Nitrous cylinder with respect to pressure volume pin index & colour
7. Advantages of pulse oximeter
8. Compare Nasal cannula with simple rebreathing face mask
9. Disadvantages of Bain circuit
10. Advantages NRB(Non rebreathing)O2 mask

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Importance of I/o chart
12. What are normal glucose level in blood
13. Iv cannula different sizes & colour
14. Ryle's tube importance
15. Normal urine output & its importance
16. Sites of pulse oximeter reading
17. DISS for piped gases.
18. Advantages of circle system of breathing
19. Various sites of Intramuscular injection
20. Compare oral vs intravenous routes of drug administration
21. Capnography

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08/7/24

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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.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Describe briefly cardiac cycle with neat labelled diagram

(3+3+4)

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. How do you reduce infections in operation theatre
3. Describe procedure of Normal intubation briefly
4. What is normal blood pressure at different ages
5. Importance pulse rate and what are the sites to measure it
6. Describe different types of mask
7. Components of circle system
8. Neat labelled diagram of glottic opening
9. Positioning in anaesthesia
10. Hand wash technique

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. List commonly used vapourizers in operation theatre
12. Trendelenburg positions in anaesthesia practice
13. Color coding for biomedical waste management
14. Compare Macintosh blade vs millers blade
15. Importance of Liquid oxygen
16. What is hypotension
17. What is tachycardia
18. Upper respiratory tract components
19. Normal respiratory rate different ages
20. Ischemic heart disease importance to anaesthesia
21. List major valvular heart disease.