

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Operation Theatre Technology

[Time: 3 Hours]

[Max. Marks: 80]

III SEMESTER

PAPER - I (Introduction to Operation Theatre Technology)

QP CODE: 8345

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Define sterilization? Classify sterilization methods. Explain the principle and working of autoclave. Discuss Sterilization control in detail

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Discuss the preparation of reusable materials for sterilization.
3. Describe the Hazards associated to disinfection.
4. Write a brief note on gaseous sterilization.
5. Ultrasonic cleaner.
6. Mention the functioning of Central sterile supply Department.
7. Discuss the sterilization by filtration and radiation.
8. Write a brief note on CSSD preparations of surgical kits.
9. Define disinfection. Classify and explain the use of Chemical disinfectants in the hospital.
10. Hot air oven

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. What are chemical indicators used in CSSD?
12. How will you check the sterility of instruments?
13. What all should be checked once the sterilization process of a batch is over?
14. sunlight advantages and disadvantages
15. Heat sterilization
16. Name some mechanical cleaning machines.
17. Full form of CSSD
18. Define sterilization
19. Principle of Hot Air Oven
20. Ventilators
21. Transfer of surgical patient from OT to recovery area

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III SEMESTER

PAPER - II (Introduction to Anaesthesia Technology)

QP CODE: 8346

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Explain Spinal anaesthesia. How to prepare patient for spinal anaesthesia. How to prepare tray for spinal anaesthesia. What are indications and contra-indications of spinal anaesthesia?

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. How do you monitor a patient during surgical procedure?
3. Mention pre-operative orders given to patient before surgery and their importance.
4. A short note on Ether anaesthesia.
5. Parameters used in Pre-anaesthetic assessment.
6. What are different machines used in anaesthesia?
7. How to start induction in general anaesthesia?
8. Short note on epidural anaesthesia.
9. What is the importance of Hand-washing and steps of Handwashing.
10. What are different positions in OT and their indications?
11. Different materials used in scrubbing during surgery.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

12. A short note on history of anaesthesia.
13. Types and parts of laryngoscope.
14. Drugs used in Inhalational anaesthesia.
15. Drugs used for spinal anaesthesia
16. Drugs used in Local anaesthesia.
17. Drugs used for reversal of anaesthesia
18. Who is father of Anaesthesia? Why?
19. Uses of Face mask.
20. What is ring Block?
21. How to prevent post-operative nausea and vomiting?

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III SEMESTER

PAPER - III (Principles of Anaesthesia)

QP CODE: 8347

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Write in detail about Boyle's anaesthesia machine.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. What is succinyl Choline, it's uses and complications.
3. Write in detail about complications of intubation
4. Explain different kinds of IV fluids with their composition and uses.
5. Write in detail about complications of spinal anaesthesia.
6. Explain in Brief about colour code of IV cannula and their uses.
7. Explain Sterilization of Anaesthesia Equipment.
8. Explain in brief about Hazards of Blood Transfusion.
9. Describe steps of positioning for induction of anaesthesia.
10. Write in detail about Indications and complication of blood transfusion.
11. Write in detail about ET tube.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

12. Describe Intravenous Anaesthetic Agents.
13. Enlist a few inhalation induction agents.
14. Write in detail about ASA grading.
15. Describe indication for inhalation induction.
16. Write in detail about Parts of Laryngoscope.
17. Explain about uses of endotracheal intubation.
18. Explain Pin index system.
19. Explain the uses of face mask.
20. Explain in brief about surgical anaesthesia
21. What are the reversal agents used?

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III SEMESTER

PAPER - IV (ATOT Directed Clinical Education I)

QP CODE: 8348

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. What are pre-operative, intra-operative and post-operative care to be taken to the patient.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Explain Recovery from anesthesia.
3. Different types of anesthesia.
4. Appendectomy and Surgical set of instruments for appendectomy.
5. Complications of blood transfusion.
6. Explain about different zones of OT complex with schematic representation.
7. Qualities of OT staff.
8. CSSD (central sterile services department).
9. Note on Surgical asepsis.
10. Sterilization and disinfection.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Positioning of the patient for different operations.
12. Name different drains used during surgeries.
13. Role of nurse in draping.
14. Post op records.
15. Functions of CSSD (central sterile services department).
16. Electrocautery.
17. Mechanical ventilation.
18. Name 4 Gastrointestinal surgeries with their indications.
19. Informed consent.
20. Caesarean section, instruments used in it.
21. Explain about commonly used suture materials in OT.