

BLDE (DEEMED TO BE UNIVERSITY)

B.Sc. in Operation Theatre Technology

[Time: 3 Hours]

[Max. Marks: 80]

V SEMESTER

PAPER - I (Basics of Surgical Procedure)

QP CODE: 8545

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 brief about preoperative preparation of patients

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Painting and Draping of patient
3. After shifting the patient to post-operative care unit what are the immediate care to be given to the patient
4. Write in brief about surgical drains
5. Electro cautery
6. Components of hernia operation set and appendectomy set.
7. Write in brief about operating table and various positioning.
8. Write in brief about surgical suite.
9. Short note on various instruments of operating room
10. Various methods of sterilization and disinfection

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Post-operative patient care
12. Nasogastric tube
13. Write three non-absorbable suture materials
14. Define ideal dressing. Discuss about purposes , indications of dressing
15. Ideal Amputation. write three indications
16. What are the stages of safe biomedical waste disposal?
17. Note on Sim's lateral position.
18. Role and responsibility of OT technician in operation theatre.
19. Name six different types of abdominal incisions.
20. Indications of caesarean section.
21. Tray set up for exploratory laparotomy

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PAPER - II (CSSD Procedures)

QP CODE: 8546

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. Discuss about the various methods of sterilization.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Precautions taken during sterilization
3. E T O sterilization
4. Intravenous regional anesthesia
5. Sterilization by radiation
6. Formaldehyde
7. Levels of disinfection
8. Role and responsibility of OT technician
9. Autoclave
10. Methods of disinfection

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Boiling method
12. Zones of operation theatre
13. Hot air oven
14. Hazards of sterilization
15. Glutaraldehyde
16. Hydrogen peroxide
17. Purpose of sterilization
18. Wet sterilization
19. Articles sterilized in CSSD
20. Activities for controlling the infection in OT.
21. Fumigation method

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V SEMESTER

PAPER - III (Advanced Anaesthetics Techniques)

QP CODE: 8547

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Explain in brief about blood grouping, blood transfusion and complications of blood transfusion.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Informed consent.
3. ASA score
4. CPR
5. Explain in brief about colour coding of IV canula and their uses.
6. Explain indication and contraindication of general anaesthesia.
7. Write in detail about ET tube intubation
8. Explain different types of IV fluid with their composition and uses.
9. Role and responsibilities of OT technicians.
10. Hand washing techniques.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Disinfection.
12. Bain's Circuit.
13. ABG
14. Explain OT fumigation.
15. Syringe pump.
16. Defibrillator.
17. Complications of spinal anesthesia
18. Role of CSSD.
19. Explain pin index system.
20. Name different regional blocks.
21. ~~Explain fumigation of OT~~ **LOCAL ANAESTHESIA**

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V SEMESTER

PAPER - IV (ATOT Directed Clinical Education III)

QP CODE: 8548

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Various ECG leads and their placements

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. ASA grading system
3. Oxygen therapy
4. Universal precautions
5. Pain index system
6. Circulatory shock
7. Doughing and dawning techniques
8. Endoscopy cleaning
9. Calculation of dosage of fluids
10. Heart lung machine

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Various suture materials
12. Cylinder colour codes
13. Fire hazards in OT
14. Intra venous anesthetic agents
15. Uses of Drains in surgery
16. Post needle prick injury
17. Note on code blue
18. Coombs test
19. Adverse drug reactions
20. Dressing
21. Flush valve