



B.Sc. Allied Health Sciences Third Year Semester-VI
April 2023 Examination

B.Sc. Anesthesia & Operation Theatre Technology

Time : 2.30 Hrs.

[Max. Marks : 80]

PAPER-I

Operation Theatre Technology Clinical

Q.P Code : J6200

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

Long Essay

2 X 10=20 Marks

1. How do you position the patient for thyroidectomy ? What are the complication of this position
2. How you will prepare the OT and position the patient for elective LSCS. What are the advantages of giving spinal anesthesia in LSCS

Short Essay (Answer any Six)

6 X 5=30 Marks

3. Basic principle of ultrasonography
4. Microinstruments in ENT surgery
5. Incision for open cholecystomy
6. What are methods to feed a patient who cant take food by mouth
7. Write a note on abdominal retractor's
8. Suction machine
9. How do you prepare for liver resection
10. Airway fires with the use of LASER

Short Answers (Answer any ten)

10 X 3=30 Marks

11. Abdominal mops
12. Cautery plate
13. Infusion pumps
14. Position for laproscopic appendectomy
15. Microdocheotomy
16. Alternative to electrocautery
17. Complications of lithotomy
18. Operating table for bariatric surgery
19. Betadine
20. Describe gloving
21. Vascular clamps
22. Instruments care products



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PAPER-II

Operation Theatre Technology Applied

Q.P Code : J6210

*Your answers should be specific to the questions asked.
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Long Essay

2X10 = 20 Marks

1. Describe inhalation anaesthetic agents and write a note on sevoflurane
2. Discuss choice of anaesthesia for urethroplasty and post-operative care

Short Essay (Answer any Six)

6 X 5=30 Marks

3. Anaesthesia outside OT Prepare
4. Pin Index safety system
5. Intraop bradycardia causes and management
6. Describe various techniques of anaesthesia for patient posted for emergency LSCS
7. Define hypoxia and discuss various types of hypoxia
8. Positioning of patient posted for precautions nephrolithotomy precautions and complications for the same position
9. Describe the sterilization of breathing circuits and laryngoscopes blades
10. Complication of difficult intubation

Short Answers (Answer any ten)

10 X 3=30 Marks

11. Invasive monitoring in anaesthesia
12. Colour coding of pressure gauges of O₂ & N₂O
13. I gel LMA
14. ECMO
15. Anaesthesia techniques for circumcision
16. Ketamine
17. Fresh frozen plasma
18. Foleys Catheter
19. Anticoagulation in blood bag
20. Esmolol
21. Kidney position
22. Crystalloids



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PAPER-III

Operation Theatre Technology Advanced

Q.P Code : J6220

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Long Essay

2 X 10=20 Marks

1. How do you prepare the OT for organ procurement and transplantation
2. How do you prepare the OT for cardiac surgery .describe heart lung machine

Short Essay (Answer any Six)

6 X 5=30 Marks

3. Precautions taken during prone position.
4. CPR .
5. Name of instruments for nephrolithotomy.
6. Care for mechanically ventilated patients
7. NYHA classification.
8. Dyspnea.
9. Arrhythmias.
10. What is use of nasogastric tube during GA.

Short Answers (Answer any ten)

10 X 3=30 Marks

11. Check list for cholecystectomy.
12. Instruments during FESS.
13. Theatre setting for CABG.
14. Check list for global injury.
15. Nasogastric tube.
16. Position for mastoidectomy
17. Anaesthesia in renal transplantation surgery.
18. Tray setup for eye surgeries.
19. Name three complications of tonsillectomy .
20. Tray set up for enucleation.
21. Pre oxygenation.
22. Pre op care of nausea and vomiting