



B.Sc. Allied Health Sciences Third Year (Semester-V)
March 2023 Examination
B.Sc. Operation Theatre Technology

Time : 2.30 Hrs.

[Max. Marks : 80]

PAPER-I

Subject: OPERATION THEATRE TECHNOLOGY - CLINICAL

Q.P Code : J5170

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20

1. Potential sources of injury to the patient in operation theater and its precaution
2. Explain in details hand washing, gowning, cap, mask, and glove

SHORT ESSAY (Answer any six)

6X5=30

3. Define disinfection
4. Infection control in OT
5. Airway fires
6. Write about role of theatre assistance
7. Transmission of cross infection
8. Write physical method of boiling
9. Write about purpose of operation bed
10. Define OT

SHORT ANSWERS (Answer any ten)

10X3=30

11. Physical indicators
12. Fire plan in the OR
13. Blood borne pathogens
14. Choice of fire extinguisher in the OR
15. Glutaraldehyde
16. Hazards in laser surgery
17. Define methods of waste disposal
18. Hydrogen peroxide
19. Steam sterilization monitoring
20. Define chemical sterilization
21. Personal complication of EO exposure?
22. Blood borne pathogens

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SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

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B.Sc. Allied Health Sciences Second Year (Semester-V)

March 2023 Examination

B.Sc. Anesthesia & Operating Theatre Technology

Time: 2.30 Hrs.

Paper –II

[Max. Marks: 80]

Subject: Operation Theatre Technology Applied

Q.P Code: J5180

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Classify local anaesthetic agents. How will you identify and treat local anaesthetic toxicity.
2. Draw a neat labelled diagram of endotracheal tube. Mention the steps of intubation and methods for confirming correct tube placement

SHORT ESSAY (Answer any Six)

6 X 5 = 30 Marks

3. Adrenaline – Dose, uses and routes of administration.
4. Mention the components of high – Quality CPR.
5. Draw a neat labelled diagram of laryngoscope and Macintosh Laryngoscopic blade.
6. What are the precautions you need to take before and during blood transfusion?
7. Vecuronium – Uses, dose, mechanism of action and contraindications.
8. What are the complications of spinal anesthesia.
9. Treatment of hypotension in an anesthetized patient.
10. How will you manage post-operative shivering.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Fasting guidelines for the patient before administering anaesthesia
12. Causes for intraoperative tachycardia.
13. Colour coding of IV Cannula
14. Dobutamine.
15. Features of difficult airway.
16. Different routes of fentanyl administration.
17. Three precautions to take in MRI room.
18. Parts of LMA – Laryngeal mask airway.
19. Safety features of cylinders.
20. Mention IV induction agents.
21. Steps in mask ventilation.
22. Mallampati airway classification.

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B.Sc. Operation Theatre Technology

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[Max. Marks : 80]

PAPER-III

OPERATION THEATRE TECHNOLOGY - ADVANCED

Q.P Code : J5190

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2X10=20 Marks

1. How do you position patient posted for lumbar spine surgery. What are the complications associated and precautions taken to prevent them.
2. List the surgeries done with lithotomy position. What are the complications of lithotomy?

SHORT ESSAY(Answer any six)

6X5=30 Marks

3. Absorbable suture material.
4. Uses of microscope in surgery.
5. Tourniquet.
6. Babcock's forceps.
7. Phimosis.
8. Foleys catheter.
9. Skin sutures.
10. Orchidectomy.

SHORT ANSWERS (Answer any ten)

10X3=30 Marks

11. Supine position surgeries.
12. Post-operative care.
13. Tray set up for local anaesthesia.
14. Position for DHS.
15. Maintenance and care for suction machine.
16. Suture materials.
17. Sterilization of laparoscopic instruments.
18. Dressing material and their uses.
19. Check list before blood transfusion.
20. Vicryl
21. Control of bleeding and resuscitation.
22. Nosocomial infection.