

2012-13 Batch

07

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Third Year (Semester-V)
Operation Theater Technology (OTT)
April-2015 Examinations

Time : 3 Hrs.

[Max. Marks : 100]

PAPER – I

Operation Theater Technology-(Clinical)

Q.P Code : AHS-121

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Enumerate the peripheral supporting areas in a OT complex. Discuss the role of each.
2. Briefly explain about operative tables and instruments.
3. Explain about pre operative and post operative room and monitoring in post operative room.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Define sterilisation.
5. Define auto claving.
6. Define disinfection.
7. Bioburden.
8. Transmission of cross infection.
9. Write respiratory isolation method.
10. Write physical method of boiling.
11. Write about radiation methods of sterilization.
12. Write about purpose of operation bed.
13. Define care of equipments in operation theatre.
14. Define O.T.
15. Write about urology O.T. layout.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. Define localised infection.
17. Use of bacteriostatic.
18. Define methods of waste disposal.
19. Needle stick injury prevention.
20. Disinfection and cleaning of defibrillator.
21. Explain packing of instruments.
22. Define electrical safety for operation room.
23. Define infection control.
24. Define fire safety.
25. Define fatigue factors.
26. Temperature control in OT.
27. Fire extinguisher.

Time : 3 Hrs.

[Max. Marks : 100]

PAPER – II

Operation Theater Technology (Applied)

Q.P Code : AHS-122

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Describe anesthesia machine and central gas supply.
2. How do you prepare the operation theatre for surgery and anaesthesia.
3. What are the different types of anaesthesia and describe general anaesthesia in detail.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Balanced anaesthesia.
5. Check list for anaesthesia machine?
6. What are the types of regional anaesthesia and describe spinal anaesthesia.
7. Safety features of anaesthesia machines?
8. What are equipments used for general anaesthesia. Describe laryngoscope and facemask.
9. Indications and complications of general anaesthesia.
10. Describe oxygen manifold.
11. Types of endoscopic procedures and how do you sterilize endoscopes.
12. Name the muscle relaxants used for general anaesthesia and describe Inj. Suxamethonium (Scoline)
13. Explain colour coding of different gas cylinders.
14. Drugs used for inhalation anaesthesia describe nitrous oxide.
15. W.T.G. Morton.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. Ketamine.
17. Different types of oxygen cylinders.
18. Storage of cylinders.
19. Name different opioids and its uses.
20. Blood transfusion.
21. Name inhalational anaesthetic agents.
22. Entonox.
23. Drugs used for intravenous anaesthesia.
24. Central gas supply.
25. Monitors used in anaesthesia.
26. What are the pre medication drugs given to the patients before surgery.
27. Name types of anaesthesia given to the patients.

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

Operation Theater Technology (OTT)

April-2015 Examinations

Time : 3 Hrs.

[Max. Marks : 100]

Operation Theater Technology (Advanced)

Q.P Code : AHS-123

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY (Answer any Two)

2 X 10 = 20 Marks

1. Briefly explain about ortho-surgical operation.
2. Explain about preparations for laproscopic assisted vaginal hysterectomy – O.T preparation and patient preparation.
3. Explain role of theatre assistant and care in operation theatre.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Explain about care of instruments before and after use in theatre.
5. Glasgow coma scale.
6. Positioning in urological surgery.
7. What are the procedure while using the masks and removing the masks.
8. Air embolism.
9. Define natural method of sterilization.
10. Define anaesthesia technique in laproscopic appendicectomy.
11. write about the tray set up for BPH.
12. Write about the lithotomy position.
13. Write about the anaesthesia technique for renal transplantation.
14. Write about the tray set up for neck of femur fracture.
15. Bone cement.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

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