

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

Operation Theatre Technology (OTT)

November 2015 Examination

Time : 3 Hrs.

[Max. Marks : 100]

PAPER – I

Operation Theatre 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. How will you prepare the OT and assist an anesthesiologist for an emergency LSCS. List the instruments used during LSCS.
2. Different types of wounds and the method of treatment of wounds. How will you prepare a suturing tray.
3. How will you prepare OT for a laparoscopic cholecystectomy.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. TURP.
5. Different types of endoscopes.
6. Surgical drain.
7. Methods to stop bleeding during surgery (HAEMOSTASIS).
8. Preparation of skin before operation.
9. T- Bandage.
10. Types of IV fluids used during surgery.
11. Uses of ultrasound in theatres.
12. Uses of suction apparatus in OT.
13. Lithotomy position.
14. Measures taken to avoid contamination of sterile items.
15. Harmful effects of diathermy.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. Incision and drainage (I and D).
17. Circulating nurse.
18. Three elements from which surgical instruments are fabricated.
19. Cat gut.
20. Surgical needles – different types.
21. Collecting an ABG.
22. Colour coding of Isoflurane, sevo and halothane.
23. Boyle's davis mouth gauge.
24. Care of endoscopes.
25. Two surgeries done with the help of laser.
26. List three advantages of laser surgery.
27. Indications of caudal block.

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

Operation Theatre Technology (OTT)

November 2015 Examination

Time : 3 Hrs.

[Max. Marks : 100]

PAPER – II

Operation Theatre 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. Precautions taken when an anaesthetised patient put in prone position.
2. How will you receive the patient in the post operative recovery room?
3. Discuss the aetiology and management of intra operative hypotension.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. List the safety features in anaesthesia machine.
5. Problems of obesity.
6. ASA physical status classification.
7. Airway equipments.
8. Informed consent.
9. Bain circuit.
10. Positioning during spinal anesthesia.
11. Anaphylaxis.
12. NYHA classification.
13. Bronchospasm during general anesthesia.
14. Massive blood transfusion.
15. Inotropic agents.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. Capnography.
17. Tourniquet effects.
18. Ayre's T - piece.
19. AMBU bag.
20. Reversal agents in anesthesia.
21. Advantages of pre-medication.
22. Name any two local anesthetics.
23. Name three inhalational agents.
24. Mention three routine investigations.
25. Vaso dilators.
26. Pin index for oxygen and nitrous oxide.
27. Colour coding of nitrous and oxygen cylinders.

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

Operation Theatre Technology (OTT)

November 2015 Examination

Time : 3 Hrs.

[Max. Marks : 100]

PAPER – III

Operation Theatre 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. How do you prepare the OT for a ophthalmic surgery and also the various problems encountered.
2. How do you prepare the OT for cardiac surgery. Describe heart lung machine.
3. How do you prepare the OT for organ procurement and transplantation.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Post operative complications after tonsil operation.
5. Describe tonsillar position.
6. How will you prepare the OT for vascular surgeries.
7. Describe the instruments to be kept ready for cardiac surgeries.
8. Post operative complications of thyroid surgery.
9. How will you prepare the OT for Tonsil operation.
10. How will you prepare the OT for Plastic surgery procedures.
11. Duties of OT Assistant during eye surgeries.
12. Describe Oculo- cardiac reflex.
13. Monitors in the OT used during Cardiac surgery.
14. How will you prepare the OT for thyroid surgery.
15. Describe care of intercostal drainage tubes.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. What are the instruments to be kept ready for vascular surgeries.
17. Describe the instruments to be kept ready for plastic and reconstructive surgeries.
18. Name the instruments to be kept ready for thyroid surgery.
19. Post operative complications after cardiac surgeries.
20. Write briefly about Intra Ocular pressure.
21. Heart lung machine.
22. Post operative complications after head and neck operation.
23. Post operative complications after organ transplantation.
24. What are the instruments to be kept ready for Organ transplantation.
25. Problems faced during Eye surgery.
26. Name the head and neck procedures done in the OT.
27. Intercostal drainage tube.