

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

Operation Theater Technology (OTT)

January-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 do you classify the surgical instruments. Describe each instrument in detail and its uses.
2. How do you prepare the OT for abdominal surgery. Describe the various instruments used.
3. Describe different types of electrocautery, its functions, hazards and the precautions to be taken?

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Describe briefly unipolar and bipolar diathermy.
5. How do you prepare the OT for a oesophageal surgery and the instruments used.
6. Write briefly about artery forceps, various types of retractors and surgical knives.
7. Describe in detail about the instruments used in microsurgery.
8. Write briefly about allies tissue forceps and the needle holder.
9. What are the various types of breast procedure done and describe in detail the instuments used in breast surgeries.
10. How do you prepare the OT for a pancreatic procedure and the instruments used.
11. Describe briefly about fabrication of instruments.
12. Describe in detail about powered surgical instruments.
13. How do you prepare the OT for a splenic procedure and the instruments used.
14. Describe the various used of ultrasonography in the operation theatre.
15. How do you prepare the OT for a liver procedure and the instruments used.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. Precautions to be taken for electro cautery in the operation theatre.
17. Write briefly about instruments used in liver procedures.
18. Describe the parts of laparoscope which is used in laparoscopic surgery.
19. Describe briefly LASER.
20. Write briefly about handling instruments.
21. Write briefly about fabrication of instruments used in pancreatic procedure.
22. Write briefly about instruments used in splenic procedures.
23. Write briefly about specialized surgical intruments.
24. How do you prepare and drape the patient in the operation theatre.
25. Write briefly about Microsurgery.
26. Write briefly about instruments used in splenic procedures.
27. Write briefly about instruments used in oesophageal procedures.

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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. Safety features of anaesthesia work station.
2. Complication of spinal anaesthesia and its management.
3. Complication of blood transfusion.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

4. Define PDPH.
5. LMA.
6. Pulse oximetry.
7. ET Tube.
8. Define blood and blood products.
9. Define manifold.
10. Premedication.
11. Describe mechanism of action of local anaesthetics.
12. Enumerate different gas laws and describe any one in detail.
13. Lignocaine.
14. Ketamine.
15. Intra operative anesthesia CHART.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. Safety feature in flow meters.
17. Drugs for PONV.
18. Colour coding for Entonox cylinder.
19. Bain circuit.
20. Laryngoscope.
21. Precautions during intra hospital transfer of patients.
22. Vasodilators.
23. Sodalime.
24. Anesthesia technique in emergency cesarian section.
25. Define laryngospasm.
26. Define general anaesthesia.
27. Induction agents.

Operation Theater Technology (OTT)

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PAPER-III

(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. Write in brief how you will get a theatre ready for a renal transplant recipient.
2. How will prepare the OT and assist anesthesiologist for (ORIF maxilla) open reduction and internal fixation of fracture maxilla with limited mouth opening.
3. How will you lay a trolley for tonsillectomy. What is post tonsillectomy position.

SHORT ESSAY (Answer any Ten)

10 X 5 = 50 Marks

4. Post operative nausea and vomiting (PONV).
5. Pulmonary aspiration.
6. Post operative shivering.
7. Double lumen tubes.
8. Three uses of capnogram in general anaesthesia.
9. Rules of Nine in burns.
10. Describe double lumen endotracheal tubes.
11. One lung ventilation.
12. Aorto caval compression.
13. Tracheostomy.
14. Intra operative anaesthesia record.
15. Heart lung machine.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

16. How will you check Ryles tube position.
17. Three common neurosurgical procedures done in OT.
18. Three reasons for intraoperative hypoxia.
19. Three common respiratory complications following G.A.
20. Post dural puncture headache.
21. Special care of sharp instruments.
22. Name two vasopressor drugs commonly used following spinal anaesthesia.
23. Three precautions during ophthalmic surgeries under general anaesthesia.
24. Three post operative complications following thyroid surgery.
25. Commonly done kidney function tests to rule out renal failure.
26. W.T.G Morton.
27. Three complications following massive blood transfusion.

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