

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2013
BASIC CONCEPTS OF ALLIED SPECIALITIES
PAPER FIRST

[Time allotted: Three hours]

[Max Marks: 70]

Note: Attempt all questions

Draw suitable diagram wherever necessary

A : Short answer questions:

(7 x 9 = 63)

Write short notes on:

- Q. 1.** Role of OR technician in per-operative T-tube cholangiogram.
- Q. 2.** Management of Hypovolemic shock.
- Q. 3.** Proper disposing of specimen.
- Q. 4.** Indications of abdominal drains.
- Q. 5.** Maintenance & cleaning of laparoscopic instruments.
- Q. 6.** Preparation of patient from preoperative room to OT table.
- Q. 7.** Setting a trolley for a case of Hysterectomy.
- Q. 8.** Care of a patient with spinal trauma.
- Q. 9.** World health organization check list.

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2013
BASIC CONCEPTS OF ALLIED SPECIALITIES
PAPER FIRST (MCQ)

Time allotted for MCQ- 15 minutes

B : MCQs (Single response type):

(½ x 14= 7)

Select the most appropriate answer and encircle the alphabet against it

1. Treatment of four day old dirty localized wound is:
 - a. Antibiotics only
 - b. Local dressings only
 - c. Nutritional supplements
 - d. Debridement
2. Management of multiple rib fracture with haemothorax:
 - a. Antibiotics
 - b. Plaster immobilization
 - c. Endotracheal intubation
 - d. Intercostal drain
3. Intravenous fluid not suitable for hypovolemic shock resuscitation is:
 - a. Dextrose 5%
 - b. NS
 - c. DNS
 - d. RL
4. Dressing of non infected, healthy granulating wound should be done with:
 - a. Hydrogen peroxide
 - b. Normal saline
 - c. Copper sulphate
 - d. Detergents
5. What is wrong while setting a trolley for lap. Cholecystectomy?
 - a. Check gas cylinder connections
 - b. Check working of laparoscopic instruments
 - c. Check light source
 - d. Open cholecystectomy set only when required
6. Which one of the following preservatives is used while packing catgut suture?
 - a. Isopropyl alcohol
 - b. Colloidal iodine
 - c. Glutaraldehyde
 - d. Hydrogen peroxide
7. Most common cause of anemia in pregnancy is:
 - a. Iron deficiency
 - b. Calcium deficiency
 - c. Iodine deficiency
 - d. B₁₂ deficiency
8. Advantages of harmonic scalpel are all EXCEPT:
 - a. Used for haemostasis
 - b. Precise
 - c. Minimal lateral damage
 - d. Cost effective
9. Scrubbing before surgery, all are TRUE EXCEPT:
 - a. Scrubbing should be done upto elbow
 - b. Should be done for 10 minutes
 - c. For second surgery, hand may not be scrubbed again
 - d. Betadine is used to scrub
10. Cholecystectomy, all are TRUE EXCEPT:
 - a. It is removal of appendix
 - b. Usually an elective procedure
 - c. Done through Rt. Subcostal incision
 - d. Routinely done laparoscopically
11. In perforation peritonitis abdomen is opened through:
 - a. Rt. Subcostal incision
 - b. Lt. subcostal incision
 - c. Mc Burney's incision
 - d. Midline vertical incision
12. Following instruments are used in appendicectomy procedure:
 - a. Mosquito forceps
 - b. Czerney's forceps
 - c. Thumb forceps
 - d. Intestinal clamp
13. Position for TURP is:
 - a. Supine
 - b. Prone
 - c. Rt. Lateral
 - d. Lithotomy
14. Craniotomy is done for:
 - a. Head injury patients
 - b. Brain tumors
 - c. Brain TB
 - d. Special injuries

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2013
CLINICAL ANAESTHIOLOGY MEDICAL SPECIALITIES
PAPER TWO

[Time allotted: Three hours]

[Max Marks: 70]

Note: Attempt all questions

Draw suitable diagram wherever necessary

A : Short answer questions:

(7 x 9 = 63)

- Q. 1.** Write the preparation and equipment needed for emergency LSCS.
- Q. 2.** Write in brief the care given in PACU of a child who has undergone cleft lip surgery.
- Q. 3.** Write in short about care to be taken with an HIV patient for surgery.
- Q. 4.** Name the following: (2+2+2+1= 07)
- a. Two types of laryngoscope
 - b. Two types of spinal needle
 - c. Two sites of temperature
 - d. Paediatric circuit
- Q. 5.** Enumerate precautions taken during administration of blood to recipient.
- Q. 6.** What are the aims of premedication?
- Q. 7.** Name the following: (1+2+2+2=07)
- a. Two analgesics
 - b. Two inhalational agent
 - c. 2 O₂ delivery device
 - d. Curved laryngoscope blade
- Q. 8.** State complications of IV infusion.
- Q. 9.** Draw a well labeled diagram of Bain's circuit.

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2013
CLINICAL ANAESTHESIOLOGY MEDICAL SPECIALITIES
PAPER TWO (MCQ)

Time allotted for MCQ- 15 minutes

B : MCQs (Single response type):

(½ x 14= 7)

Select the most appropriate answer and encircle the alphabet against it

1. Dopamine is an:
 - a. Inotrope
 - b. Analgesic
 - c. Muscle relaxant
 - d. Inhalational
2. In spinal anesthesia bupivacene used is:
 - a. 0.5%
 - b. 1%
 - c. 2%
 - d. 4%
3. All except following are used for premedication:
 - a. Atropine
 - b. Midazolam
 - c. Atracurium
 - d. Glycopyradale
4. In spinal LA is given in:
 - a. L₁ – L₂
 - b. L₂ – L₃
 - c. L₃ – L₄
 - d. L₁₂ – L₁
5. Tuohy's needle is used for:
 - a. Spinal
 - b. Epidural
 - c. Large biopsy
 - d. Liver biopsy
6. Anesthetic agent associated with hallucination:
 - a. Ether
 - b. Ketamine
 - c. Halothane
 - d. Propafol
7. Which blood group is universal donor?
 - a. A
 - b. B
 - c. AB
 - d. O
8. If a patient has heart rate <60/min we give:
 - a. Atropine
 - b. Propofol
 - c. Adrenaline
 - d. Atracurium
9. Prone position is given for which surgery?
 - a. Spine
 - b. Vaginal
 - c. Eye
 - d. Femur
10. 5% dextrose contains:
 - a. 5 g D in 100 ml.
 - b. 5 mg D in 100 ml.
 - c. 5 kg D in 100 ml.
 - d. .5 g D in 100 ml.
11. Ringer lactate is:
 - a. Isotonic
 - b. Hypotonic
 - c. Hypertonic
 - d. None
12. Spinal tray has:
 - a. Needle
 - b. Mixing bowel
 - c. Gauge
 - d. All
13. The number of holes in combitube?
 - a. 8
 - b. 10
 - c. 6
 - d. 7
14. Pin index of oxygen cylinder is:
 - a. 2, 5
 - b. 3, 5
 - c. 2, 6
 - d. 7

Regn. No.....

Paper Code: BOT- 201...

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2015
BASIC CONCEPTS OF ALLIED SPECIALTIES
PAPER FIRST

[Time allotted: Three hours]

[Max Marks: 70]

Note: Attempt all questions

Draw suitable diagram wherever necessary

A : Short answer questions:

(7 x 9 = 63)

- Q. 1. Write in detail about role and responsibilities of OT Technician?
- Q. 2. Comment upon Universal Precautions add a note on hospital waste management.
- Q. 3. Write in detail about principles of bandaging. What are the different types of bandages?
- Q. 4. Write in detail about different methods of disinfection/sterilization.
- Q. 5. Write in brief about following.
 - a. Basic ENT Procedures
 - b. Positioning of Urology Patients
- Q. 6. Discusses briefly about following surgeries.
 - a. Cholecystectomy
 - b. Skin Grafting
- Q. 7. Write about basics of Spine surgery. Add a note on orthopedic instruments.
- Q. 8. Discusses briefly.
 - a. Ryle's Tube
 - b. Surgical Needles
- Q. 9. Comment upon.
 - a. Isotonic normal saline
 - b. Central venous Pressure (CVP)

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2015
BASIC CONCEPTS OF ALLIED SPECIALITIES
PAPER FIRST (MCQ)

Time allotted for MCQ- 15 minutes

B : MCQs (Single response type):

(½ x 14= 7)

Select the most appropriate answer and encircle the alphabet against it

1. Which is non-absorbable suture:
 - a. Polypropylene
 - b. Poly glycolic Acid
 - c. Vicryl
 - d. Collages
2. The intra -abdominal pressure during Laparoscopy should be set between:
 - a. 5-8 mm Hg
 - b. 10-15 mm Hg
 - c. 20-25 mm Hg
 - d. 30-35mm Hg
3. In abdominal Surgery, Lambert Suture refers to:
 - a. Single Layer Suturing
 - b. Sero-muscular Suturing
 - c. All coats intestinal suturing
 - d. Skin suturing
4. Commonest artery for cannulation is :
 - a. Radial
 - b. Ulnar
 - c. Brachial
 - d. Cubital
5. CURLIN'S ulcer is seen is:
 - a. Burns
 - b. Head injury
 - c. Trauma
 - d. Surgical Operations
6. In immediate post operating period the common cause of respiratory insufficiency could be because of the following except:
 - a. Residual effect of muscle relaxant
 - b. Overdose of narcotic analgesic
 - c. Mild hypovolemia
 - d. Myocardial infarction
7. Which of the following catheter material is most suited for long term:
 - a. Latex
 - b. Silicon
 - c. Rubber
 - d. Polyurethane
8. One French (Fr) is:
 - a. 0.33 mm in diameter
 - b. 0.55 mm is diameter
 - c. 0.67 mm is diameter
 - d. 0.75 mm is diameter
9. Best site for intra muscular injection is:
 - a. Deltoid
 - b. Antero lateral part of thigh
 - c. Upper outer segment of buttock
 - d. Upper inner segment of buttocks
10. Catgut is prepared from sub mucosal layer of the intestine of:
 - a. Cat
 - b. Sheep
 - c. Human Being
 - d. Rabbit
11. Antibiotics should be given, when with surgery for prophylaxis:
 - a. 1 hrs before
 - b. 2 hrs after
 - c. 2 hrs before
 - d. 2 hrs after
12. In triage green colour indicates:
 - a. Ambulatory Patients
 - b. Dead patients
 - c. High priority treatment
 - d. Medium priority treatment
13. PDS is absorbed within:
 - a. 7 days
 - b. 21 days
 - c. 100 days
 - d. 180 days
14. Universal precaution to be observed by surgeons for the prevention of hospital acquired infection:
 - a. Wearing gloves
 - b. Washing hands on contamination
 - c. Handling sharp instruments with care
 - d. Pre-operative screening of patients of HIV

Regn. No.....

Paper Code: BOT- 202...

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2015
CLINICAL ANAESTHESIOLOGY
PAPER TWO

[Time allotted: Three hours]

[Max Marks: 70]

Note: Attempt all questions

Draw suitable diagram wherever necessary

A : Short answer questions:

(7 x 9 = 63)

- Q. 1. Premedication and its uses in anaesthesia practice.
- Q. 2. Enumerate the various types of oxygen therapy devices used in OT & ICU. Describe in detail simple face mask.
- Q. 3. Enumerate the steps of anaesthesia machine check-up before the first case of the day.
- Q. 4. Draw a well labeled diagram of laryngeal mask airway.
- Q. 5. Describe the steps of managing a patient who suddenly fell unconscious and not responding.
- Q. 6. What is flow meter assembly in anaesthesia machine? Why is oxygen connected downstream?
- Q. 7. What is pin index system and its importance in anaesthesia machine?
- Q. 8. What is soda lime? Enumerate the various additives / indicators added to soda lime.
- Q. 9. What preparations will you keep for conducting a case of emergency LSCS?

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2015
CLINICAL ANAESTHESIOLOGY
PAPER TWO (MCQ)

Time allotted for MCQ- 15 minutes

B : MCQs (Single response type):

(½ x 14= 7)

Select the most appropriate answer and encircle the alphabet against it

1. Pin index of Nitrous oxide is:
 - a. Mite
 - b. Fungus
 - c. Bacteria
 - d. Virus
2. Flow meter is a part of:
 - a. High pressure system
 - b. Intermediate pressure system
 - c. Low pressure system
 - d. None of the above.
3. Colour of carbon dioxide cylinder is:
 - a. Black with white shoulder
 - b. Blue
 - c. Grey
 - d. Orange
4. Spinal anaesthesia is given at:
 - a. Below level of L2
 - b. Above level of L1
 - c. At level of T₁₀
 - d. At sacral cornua
5. Cardiac compression is done at rate of:
 - a. At least 100 / min
 - b. At least 80/ min
 - c. At least 150/min
 - d. At least 200/min.
6. Size of endotracheal tube needed in 3 year old child:
 - a. 3.5
 - b. 4.5
 - c. 5.5
 - d. 2.5
7. AMBU stands for:
 - a. Airway breathing unit
 - b. Ambulatory mechanical breathing unit
 - c. Mobile breathing unit
 - d. None of the above.
8. Green colour I.V. Cannulation is of size:
 - a. 18G
 - b. 20G
 - c. 16G
 - d. 22G.
9. Size 3 LMA is used for:
 - a. 30-50 kg
 - b. 10-20 kg
 - c. 50-70 kg
 - d. >70kg.
10. Thiopentone is used in concentration of :
 - a. 2.5%
 - b. 2.0%
 - c. 1.5%
 - d. 3.5%.
11. Succinyl choline is used in dose of:
 - a. 1-2 mg / kg
 - b. 3-4 mg / kg
 - c. 0.5-1 mg/kg
 - d. 5-6 mg / kg.
12. 1 ml of normal drip set delivers:
 - a. 16-20 drops
 - b. 8-10 drops
 - c. 30-40 drops
 - d. 60-100 drops.
13. Dose of Ketamine for induction of anaesthesia is:
 - a. 8-10 mg/kg i.m
 - b. 0.5-1mg/kg im
 - c. 1-2 mg/kg im
 - d. 2-3 mg /kg i.m
14. Type of endotracheal tube preferred for thyroid surgery:
 - a. Flexometallic tube
 - b. South pole tube
 - c. Cole's tube
 - d. Oxford tube.

Regn. No.....

Paper Code: BOT- 201...

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2016
BASIC CONCEPTS OF ALLIED SPECIALTIES
PAPER FIRST

[Time allotted: Three hours]

[Max Marks: 70]

Note: Attempt all questions

Draw suitable diagram wherever necessary

A : Short answer questions:

(7 x 9 = 63)

- Q. 1. Define role of operation theatre assistant.
- Q. 2. Define the method of wearing gloves and gown in OT.
- Q. 3. Write about preoperative care of cardiothoracic patient.
- Q. 4. Discuss Operative room emergencies.
- Q. 5. How will you take care of Surgical instruments before and after use ?
- Q. 6. Discuss different method of sterilization.
- Q. 7. Write about trolley set up for general surgery.
- Q. 8. Define surgical asepsis.
- Q. 9. Write about Operative waste management.

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2016**BASIC CONCEPTS OF ALLIED SPECIALITIES****PAPER FIRST (MCQ)**

Time allotted for MCQ- 15 minutes

B : MCQs (Single response type):

(½ x 14= 7)

Select the most appropriate answer and encircle the alphabet against it

1. All of the following can be sterilized by Autoclaving except
 - a. Gloves
 - b. Culture media
 - c. Plastics
 - d. linen
2. Ideally bed pans and urinals are sterilized using
 - a. 1% cresol
 - b. Bleaching powder
 - c. Steam
 - d. All of the above.
3. Nasogastric tube is used for -
 - a. Feeding
 - b. To decompress stomach post operatively
 - c. To decompress stomach in intestinal obstruction
 - d. All of the above
4. Amount of solution used for enema in adults:
 - a. 100-250 ml
 - b. 250-350ml
 - c. 500-1000ml
 - d. 1000-1500 ml
5. Color code for 22 gauge I.V. cannula is -
 - a. Blue
 - b. Pink
 - c. Green
 - d. Grey
6. Ethylene Oxide destroys microorganisms by -
 - a. Cavitation
 - b. Oxidation
 - c. Osmosis
 - d. alkylolation
7. The most effective, economical and reliable method of sterilization is:
 - a. Gas plasma
 - b. Ethylene oxide
 - c. Peracetic acid
 - d. Steam
8. Sterilization involves the use of a physical or chemical procedure to:
 - a. Remove visible soil from surgical instruments
 - b. Destroy non-pathogenic organisms
 - c. Destroy all forms of microbial life including highly resistant bacterial spores
 - d. Destroy all forms of microbial life except highly resistant bacterial spores
9. True about needles except-
 - a. Always straight
 - b. Made of stainless steel
 - c. Has sharp pointed tip
 - d. Can be curved or straight
10. Non absorbable sutures are made up of- except
 - a. Chromic catgut
 - b. Prolene
 - c. Nylon
 - d. Polyester
11. An abscess is a collection of -
 - a. Fluid
 - b. Pus
 - c. Blood
 - d. Saliva.
12. Complication of catheterization are all except-
 - a. Bleeding
 - b. False passage
 - c. Infections
 - d. Bladder rupture
13. Which of the following structures is not part of the portal triad in liver
 - a. Portal Vein
 - b. Hepatic vein
 - c. Hepatic Artery
 - d. Bile Duct
14. Incision used for open cholecystectomy is-
 - a. Grid iron
 - b. lumbar
 - c. Right subcostal
 - d. Inguinal

Regn. No.....

Paper Code: BOT- 202...

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2016
CLINICAL ANAESTHIOLOGY
PAPER TWO

[Time allotted: Three hours]

[Max Marks: 70]

Note: Attempt all questions

Draw suitable diagram wherever necessary

A : Short answer questions:

(7 x 9 = 63)

- Q. 1. Describe in detail the layout of CSSD.
- Q. 2. Describe different sterilization techniques for surgical instruments.
- Q. 3. Discuss premedication and its uses.
- Q. 4. Write about chest compression in BLS.
- Q. 5. Write a note on Chain of Survival.
- Q. 6. Draw a well labelled diagram of ETT.
- Q. 7. Describe the various devices for oxygen therapy in post op wards.
- Q. 8. Write a note on checking of anaesthesia machine.
- Q. 9. Enumerate the safety devices in anaesthesia machine.

B.O.T. SECOND YEAR EXAMINATION, JUNE/JULY - 2016
CLINICAL ANAESTHESIOLOGY
PAPER TWO (MCQ)

Time allotted for MCQ- 15 minutes

B : MCQs (Single response type):

(½ x 14= 7)

Select the most appropriate answer and encircle the alphabet against it

1. Propofol is available as
 - a. 10mg/ml
 - b. 20mg/ml
 - c. 100mg/ml
 - d. 50mg/ml
2. Treatment of bradycardia
 - a. Atropine 0.6
 - b. Atropine 1.6
 - c. Atropine 2.6
 - d. All of above
3. Treatment of Ventricular fibrillation is:
 - a. AED
 - b. Epinephrine
 - c. Atropine
 - d. Xylocard
4. Cidex is:
 - a. Aldehyde
 - b. Alcohol
 - c. Cetrimide
 - d. Plain water
5. Colour of Biohazard disposable bag for human parts is:
 - a. Black
 - b. Yellow
 - c. Blue
 - d. White
6. Sharp instruments are sterilized by:
 - a. Autoclaving
 - b. Cold sterilization
 - c. Warm heat
 - d. None of above
7. Length of Magill circuit is:
 - a. 110 cm
 - b. 150cm
 - c. 180cm
 - d. 200 cm
8. AMBU bag is :
 - a. Ambulatory Mechanical breathing unit
 - b. All Mechanical breathing unit
 - c. Fixed mechanical breathing unit
 - d. None of above
9. Thiopentone is:
 - a. Barbiturate
 - b. Phenol
 - c. Phencyclidine derivative
 - d. Ester
10. Cylinders are part of :
 - a. high pressure system
 - b. Intermediate pressure system
 - c. Low pressure system
 - d. All of above
11. Bain circuit is used for:
 - a. Spontaneous ventilation
 - b. Controlled ventilation
 - c. Both
 - d. None
12. Magill circuit is preferred for:
 - a. Spontaneous ventilation
 - b. Controlled ventilation
 - c. Both
 - d. None
13. Laryngoscope blade preferred for infants:
 - a. Magill
 - b. Macintosh
 - c. Miller
 - d. McCoy
14. Respiratory depression from morphine presents as:
 - a. Low tidal volume, normal rate
 - b. High tidal volume, normal rate
 - c. Normal tidal volume, low rate
 - d. Normal tidal volume, high rate

Regn. No.....

Paper Code: BOT- 201...

B.Sc. MEDICAL TECHNOLOGY (OPERATION THEATRE)
SECOND YEAR EXAMINATION, JUNE/JULY - 2017
BASIC CONCEPTS OF ALLIED SPECIALTIES
PAPER FIRST

[Time allotted: Three hours]

Note: Attempt all questions

Draw suitable diagrams wherever necessary

[Max Marks: 70]

A : Short answer questions:

(7 x 9 = 63)

- Q. 1. Write in detail about Ryle's tube (N-G tube).
- Q. 2. Discuss about hand washing and gown/gloves wearing in OT.
- Q. 3. Basics of patient care with spinal trauma.
- Q. 4. Proper disposal / waste management of HIV & HBs AG.
- Q. 5. Preparation of instrument trolley for elective laparotomy.
- Q. 6. Write in detail about commonly used I.V.F : NS/RL/5% dextrose.
- Q. 7. Classify dressing material.
- Q. 8. Caesarean section: Importance of OT technicians.
- Q. 9. Write a note on laparoscopic surgery.

B.Sc. MEDICAL TECHNOLOGY (OPERATION THEATRE)**SECOND YEAR EXAMINATION, JUNE/JULY – 2017****BASIC CONCEPTS OF ALLIED SPECIALITIES****PAPER FIRST (MCQ)**

Time allotted for MCQ- 15 minutes

B : MCQs (Single response type):

(½ x 14= 7)

Select the most appropriate answer and encircle the alphabet against it

1. Features of hypo-volumic shock are all except:
 - a. Oliguria
 - b. Bradycardia
 - c. Hypotension
 - d. Acidosis
2. Transplantation of a kidney from mother to son is an example of:
 - a. Autograft
 - b. Allograft
 - c. Isograft
 - d. Xenograft
3. Non absorbable suture is:
 - a. Polypropylene
 - b. Catgut
 - c. Vicryl
 - d. Collagen
4. Fluid requirement in the first 24 hours in a burns patient is based on:
 - a. Body weight
 - b. Body height
 - c. Total burns surface area
 - d. All of the above
5. Most common complication following haemorrhoidectomy is:
 - a. Haemorrhage
 - b. Infection
 - c. Faecal impaction
 - d. Urinary retention
6. Most common type of cleft lip is:
 - a. B/L
 - b. Midline
 - c. Combined with cleft palate
 - d. Unilateral
7. Most common position of appendix:
 - a. Retro-cecal
 - b. Pre-ileal
 - c. Post- ileal
 - d. Pelvic
8. Burst abdomen most commonly occurs on:
 - a. 2nd day
 - b. 3rd day
 - c. 7th day
 - d. 9th day
9. Which figures are very important to the esophagus phases:
 - a. 10, 20, 30
 - b. 15, 25, 40
 - c. 20, 30, 40
 - d. 25, 35, 45
10. Twisted suture material is:
 - a. Cotton
 - b. Silk
 - c. Both
 - d. None
11. McBurney's point lies at the:
 - a. Junction of medial 1/3 & lateral 2/3 of the line
 - b. Junction of medial 2/3 & lateral 1/3 of the line
 - c. Middle of right spinoumbilical line
 - d. Umbilical line junction
12. Part preparation should ideally be done:
 - a. 24 hours prior to surgery
 - b. 12 hours prior to surgery
 - c. On the morning of surgery
 - d. Just before surgery
13. Following are required for wound healing except:
 - a. Zinc
 - b. Copper
 - c. Vitamin K
 - d. Calcium
14. "Rodent ulcer" forms due to:
 - a. Squamous cell carcinoma
 - b. Basal cell carcinoma
 - c. Adenocarcinoma
 - d. Melanoma

B.Sc. MEDICAL TECHNOLOGY (OPERATION THEATRE)
SECOND YEAR EXAMINATION, JUNE/JULY - 2017
CLINICAL ANAESTHESIOLOGY

[Time allotted: Three hours]

[Max Marks: 70]

Note: Attempt all questions

Draw suitable diagrams wherever necessary

(7 x 9 = 63)

A : Short answer questions:

- Q. 1.** Explain preoperative care and OT preparation for emergency LSCS.
- Q. 2.** How will you prepare the OT for a patient who is anticipated for difficult intubation?
- Q. 3.** Discuss the management of laryngospasm.
- Q. 4.** How will you check blood issued from blood bank before administering to patient?
- Q. 5.** What are the different positions required for different types of surgery. Name the positions and 2 surgeries done in that position?
- Q. 6.** Name the structures encountered during spinal anaesthesia.
- Q. 7.** Name the drugs which should be available in emergency tray. Give one indication of each drug.
- Q. 8.** Enumerate the problems faced with the patients posted for emergency surgery.
- Q. 9.** Name the equipments needed during CPR.

B.Sc. MEDICAL TECHNOLOGY (OPERATION THEATRE)
SECOND YEAR EXAMINATION, JUNE/JULY - 2017
CLINICAL ANAESTHESIOLOGY
(MCQ)

Time allotted for MCQ - 15 minutes

B : MCQs (Single response type):

(½ x 14= 7)

Select the most appropriate answer and encircle the alphabet against it

1. D & C operation is done in:
 - a. Supine position
 - b. Lateral position
 - c. Head up position
 - d. Lithotomy position
2. Cases kept in ICU are:
 - a. ARDS
 - b. Poisoning
 - c. Serious trauma
 - d. All of the above
3. ABG means:
 - a. Artificial blood gas
 - b. Arterial blood gas
 - c. Arterial breathing gas
 - d. Anesthesia breathing gas
4. Defibrillation is used:
 - a. To start respiration
 - b. To give shock
 - c. For echo cardiography
 - d. To inject drugs in heart
5. Sims speculumis used for:
 - a. Rectum
 - b. Tonsil
 - c. Cervix
 - d. Nostril
6. Dialysis is done for:
 - a. Chronic renal failure
 - b. Chronic heart failure
 - c. Chronic liver failure
 - d. Chronic diarrhea
7. Tidal volume in adult patient is:
 - a. 400 - 500 ml
 - b. 100 - 200 ml
 - c. 200 - 300 ml
 - d. 150 - 250 ml
8. In hypovolemic shock which of the following is not given?
 - a. Crystalloid
 - b. Colloid
 - c. Blood
 - d. Mannitol
9. Under water seal is required to remove:
 - a. Air from peritoneum
 - b. Air from pleura
 - c. Air from pericardium
 - d. Air from oesophagus
10. Pediatric breathing circuit is:
 - a. Mapleson A
 - b. Mapleson B
 - c. Mapleson D
 - d. JR Circuit
11. Mouth to mouth resuscitation can give oxygen:
 - a. 19 %
 - b. 16 %
 - c. 10 %
 - d. 36 %
12. CPR is given by:
 - a. 20 compression 2 breaths
 - b. 15 compression 2 breaths
 - c. 15 compression 1 breath
 - d. 30 compression 2 breath
13. Maintenance fluid for a 5 kg child is:
 - a. 4ml / kg / hour
 - b. 2ml / kg / hr
 - c. 1ml / kg / hr
 - d. None of the above
14. Size of the LMA for 4 kg child will be:
 - a. 1
 - b. 1.5
 - c. 2
 - d. 2.5