### STATE MEDICAL FACULTY OF WEST BENGAL

### **Final Examinations** for Diploma in Operation Theatre Technology Course

### Paper - I Maintenance of Equipments, Sterilization, IV Fluids & Transfusion

Time: 3 Hours Full Marks: 80

Question 1 is Compulsory. Answer any Two from Question No. 2 to 5 and any Four from Question No. 6 Q-1) Mark the most correct answer from the following options:- |10x1 = 10|i) In Trendelenberg position the head end of O.T. table is: c) Right lateral a) Up b) Down d) Left lateral ii) Cutting mode in diathermy paddle is denoted by which colour? a) Green c) Blue b) Yellow d) Red iii) Which IV Fluid is to be avoided in diabetic patients? a) Ringer Injection c) Ringer Lactate b) Normal saline d) All of the above iv) All pathogenic & non-pathogenic spores are killed in: c) Sterilization a) Disinfection b) Filtration d) Thorough cleansing v) Capnometer is used to monitor: a) Oxygen saturation c) Tidal volume b) End tidal carbon dioxide d) ECG vi) O.T. sterilization is achieved by: a) Steam under pressure c) Fumigation b) Plasma chamber d) Formalin chamber vii) The instrument used for removal of CBD stone is: a) Moynihan's forceps c) Babcock's forceps b) Allis's Tissue forceps d) Desjardine's Forceps viii) Irrigation of bladder is done by: a) 2 way Foley's catheter c) Malecot's catheter b) 3 way Foley's catheter d) Simple rubber catheter

ix) Enteral nutrition is preferred over parenteral nutrition because:

- a) It is more satisfying for patient
- b) Allows patient to be ambulatory
- c) Maintains gut function and integrity
- d) All of the above
- x) All of the following are known side effects of Gelofusine, except:
  - a) Anaphylaxis

c) Volume overload

b) Urticaria

d) Increased risk of bleeding

### Page: 2

# Final Examinations for Diploma in Operation Theatre Technology Course

# Paper – I <u>Maintenance of Equipments, Sterilization, IV Fluids & Transfusion</u>

Answer any Two from Question No. 2 to 5 and any Four from Question No. 6

2x20 = 40

Q2. Describe the trolley arrangement for Laparoscopic Cholecystectomy. Describe the position of Anaesthesiologist, Surgeon, Assistants, Trolley and hardware in such operation.

10+10 = 20

Q3. What is meant by CSSD? Describe the layout of a classical CSSD with facilities thereof.

6+14 = 20

Q4. Enumerate the various monitors you have seen in O.T. mentioning their uses.

10+10 = 20

Q5. What do you mean by Modular O.T. Mention the measures taken in an O.T. to minimize surgical site infections.

6+14 = 20

Q6. Write short notes on (Any Four):-

 $4 \times 7\frac{1}{2} = 30$ 

- a) Harmonic scalpel
- b) Laparoscopic Light Cable and its maintenance
- c) Diathermy Machine
- d) O.T. Suction Unit
- e) Syringe pump.

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## STATE MEDICAL FACULTY OF WEST BENGAL

## **Final Examinations** for Diploma in Operation Theatre Technology Course

## Paper - II **Special Surgeries**

Time - 3 hours Full Marks - 80

Question 1 is Compulsory.  Answer any Two from Question No. 2 to 5 and any Four from Question No. 6	
Q-1) Mark the most correct answer from the	following options:- $10x1 = 10$
<ul><li>i) The preferred endotracheal tube for he</li><li>a) Double lumen tube</li><li>b) Flexo-metallic tube</li></ul>	ad & neck surgery: c) RAE tube d) None of the above
<ul><li>ii) Cleft palate is repaired usually around:</li><li>a) 3 months</li><li>b) 6 months</li></ul>	c) 12 months d) 24 months
<ul><li>iii) All of the following are examples of income</li><li>a) Adrenaline</li><li>b) Dopamine</li></ul>	otropes, except: c) Nitroglycerine d) Dobutamine
<ul><li>iv) Burr hole is done by:</li><li>a) Gynaecologist</li><li>b) Neurosurgeon</li></ul>	c) Urosurgeon d) Plastic surgeon
<ul><li>v) T-tube is required in:</li><li>a) Gastrectomy</li><li>b) CBD exploration</li></ul>	c) Appendectomy d) Hemicolectomy
vi) Phaco emulsification is done for: a) Cataract b) Gall stone	c) Kidney stones d) Fibroid uterus
vii) Commonly used drain after modified a) Corrugated drain b) Sump drain	radical mastectomy is: c) Vacuum suction drain d) Cigarette drain
viii) Median Sternotomy is required by: a) Nylon b) Propylene	c) Steel wire d) PDA
<ul><li>ix) Perfusionist is needed in:</li><li>a) ENT O.T.</li><li>b) Orthopaedics O.T.</li></ul>	c) Neurosurgery O.T. d) CTVS O.T.
x) Dissociative anaesthesia is achieved by	

b) Isoflurane

d) Halothane

#### Page: 2

# Final Examinations for Diploma in Operation Theatre Technology Course

# Paper - II Special Surgeries

Answer any Two from Question No. 2 to 5 and any Four from Question No. 6

2x20 = 40

Q2. How will you arrange O.T. and instrument table for fracture neck of femur operation? How do you transport the patient before and after the operation?

14+6 = 20

Q3. Describe the position of patient for Thyroidectomy. Describe the layout of instruments and draping technique employed in such operation.

8+12 = 20

Q4. Describe the anaesthetic and surgical considerations of importance in cleft lip surgery.

10+10 = 20

Q5. Mention the types of anaesthesia used for Caesarean Section. How is a new born managed after birth in the O.T.?

8+12 = 20

Q6. Write short notes on (Any Four):-

 $4 \times 7\frac{1}{2} = 30$ 

- a) Orthopaedic Fracture Table
- b) Central venous line
- c) C-Arm
- d) Venesection
- e) Check list in preanaesthetic room.

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