

**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:
 a) Up
 b) Down
 c) Right lateral
 d) Left lateral
- ii) Cutting mode in diathermy paddle is denoted by which colour?
 a) Green
 b) Yellow
 c) Blue
 d) Red
- iii) Which IV Fluid is to be avoided in diabetic patients?
 a) Ringer Injection
 b) Normal saline
 c) Ringer Lactate
 d) All of the above
- iv) All pathogenic & non-pathogenic spores are killed in:
 a) Disinfection
 b) Filtration
 c) Sterilization
 d) Thorough cleansing
- v) Capnometer is used to monitor:
 a) Oxygen saturation
 b) End tidal carbon dioxide
 c) Tidal volume
 d) ECG
- vi) O.T. sterilization is achieved by:
 a) Steam under pressure
 b) Plasma chamber
 c) Fumigation
 d) Formalin chamber
- vii) The instrument used for removal of CBD stone is:
 a) Moynihan's forceps
 b) Allis's Tissue forceps
 c) Babcock's forceps
 d) Desjardine's Forceps
- viii) Irrigation of bladder is done by:
 a) 2 way Foley's catheter
 b) 3 way Foley's catheter
 c) Malecot'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
 b) Urticaria
 c) Volume overload
 d) Increased risk of bleeding

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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 x 7½ = 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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**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 x 7½ = 30

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