**QP Code: 0TT301**

**B. Sc Operation Theatre Technology 3rd Year**

# (BF/2024/05)

#### Introduction to Operation Theatre Technology

###### M.M.: 80 Time: 3 Hours

**Note: 1.) *Attempt all questions.***

 **2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**

**3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**

**4.) *The Student must write Q.P. Code in the space provided on the Title page of the Answer Book.***

**Section-A**

1. **Write about the following**. (All the five questions are compulsory) [5x5=25]

 a. Role of theatre assistant

 b. Types of intravenous fluids

 c. Packing of instruments.

d. Central line insertion requirements preparation & post operative care.

 e. O.T. table positions for various surgeries

2. **Attempt any one. Both questions carry equal marks.**

a. Explain in detail about techniques anaesthesia. [15]

OR

b. Complications of blood transfusion. [15]

**Section -B**

3. **Write about the following**. (All the five questions are compulsory) [5x5=25]

 a. Laminar air flow

 b. Hot air oven

 c. Prophylaxis during C-arm operation

 d. Disposal of sharp wastes

 e. Types of filters

4. **Attempt any one. Both questions carry equal marks.**

a. Describe various methods of sterilization in operation theatre. [15]

OR

b. Describe the monitoring of patient under general anaesthesia. [15]

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**QP Code: 0TT302**

**B. Sc Operation Theatre Technology 3rd Year**

# (BF/2024/05)

#### Operation Theatre Technology - Clinical

###### M.M.: 80 Time: 3 Hours

**Note: 1.) *Attempt all questions.***

 **2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**

**3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**

**4.) *The Student must write Q.P. Code in the space provided on the Title page of the Answer Book.***

**Section-A**

1. **Write about the following**. (All the five questions are compulsory)

 [5x5=25]

a. Steps of hand scrubbing before gowning

 b. Sterilization of laparoscopic instruments.

 c. Ultrasound scalpel

 d. How to prepare trolley for I&D?

 e. Operating room culture swabs

2. **Attempt any one. Both questions carry equal marks.**

a. What are the different types of Intestinal clamps used in surgery and what are their uses? [15]

OR

b. How will you position and prepare the patients posted for Laparoscopic Hysterectomy. [15]

**Section -B**

3. **Write about the following**. (All the five questions are compulsory)

 [5x5=25]

a. Thermal methods of sterilization

 b. C-Arm

c. Positioning, indication and preparation when the patient is operated in the lithotomy position

 d. Anaesthsia work-station setup

e. Precautions to be taken while using Diathermy

4. **Attempt any one. Both questions carry equal marks.**

a. Patient is planned for Total Thyroidectomy. How will you prepare and position the patient and what are the various instruments required for surgery? [15]

OR

b. Patient is planned for Radical mastectomy. How will you prepare and position the patient and what are the various instruments required for surgery? [15]

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**QP Code: 0TT303**

**B. Sc Operation Theatre Technology 3rd Year**

# (BF/2024/05)

#### Operation Theatre Technology - Applied

###### M.M.: 80 Time: 3 Hours

**Note: 1.) *Attempt all questions.***

 **2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**

**3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**

**4.) *The Student must write Q.P. Code in the space provided on the Title page of the Answer Book.***

**Section-A**

1. **Write about the following**. (All the five questions are compulsory) [5x5=25]

a. Various types of electrocautery.

 b. Advantages of anterial blood pressure monitoring.

 c. Complications of endotracheal intubation.

 d. Care of laparoscopic instruments.

 e. Universal precautions.

2. **Attempt any one. Both questions carry equal marks.**

a. Describe instruments anaesthetic agents. [15]

OR

b. Write about safety devices in anaesthesia machine. [15]

**Section -B**

3. **Write about the following**. (All the five questions are compulsory)

 [5x5=25]

 a. Layout of CSSD.

 b. Care of the Anaesthetised patients

 c. Steps in cardiac compression and ventilation in CPR.

 d. Prevention of cautery burns.

 e. Regional anaesthesia.

4. **Attempt any one. Both questions carry equal marks.**

a. Discuss causes and management of post-operative hypoxia. [15]

OR

b. Write about blood transfusion reaction and its management. [15]

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**QP Code: 0TT304**

**B. Sc Operation Theatre Technology 3rd Year**

# (BF/2024/05)

#### Operation Theatre Technology - Advanced

###### M.M.: 80 Time: 3 Hours

**Note: 1.) *Attempt all questions.***

 **2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.**

**3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED**

**4.) *The Student must write Q.P. Code in the space provided on the Title page of the Answer Book.***

**Section-A**

1. **Write about the following**. (All the five questions are compulsory)

 [5x5=25]

a. Describe the instruments and sutures required for Cervical Lymph Node Biopsy.

b. Describe position and instruments used in Direct Laryngoscopy Biopsy.

c. How will you prevent Post-dural puncture headache.

d. Describe sterilization of anaesthesia equipments.

e. Describe positon, instruments and sutures used in Adenoidectomy.

2. **Attempt any one. Both questions carry equal marks.**

a. Discuss the various instruments and sutures used for Exploratory Laparotomy. [15]

OR

b. Discuss the position, instruments and sutures used for Fracture of Neck of Femur surgery. [15]

**Section -B**

3. **Write about the following**. (All the five questions are compulsory)

 [5x5=25]

a. Describe various methods of Local anaesthesia

b. How will you prepare the O.T. after surgery on HCV +ve case?

c. Write a short note on Yoke Assembly and Cylinders.

d. Describe the role of premedication in Anaesthesia

e. Describe Trendelenburg position, its indications and limitations

4. **Attempt any one. Both questions carry equal marks.**

a. Discuss the process of E.T.O sterilization in detail. [15]

OR

b. Discuss the preoperative preparation, position, instruments and sutures used in Submandibular gland excision. [15]

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