

JAN-2024  
**BLDE (DEEMED TO BE UNIVERSITY)**

**B.Sc. in Operation Theatre Technology**

[Time: 3 Hours]

[Max. Marks: 80]

**IV SEMESTER**

**PAPER - I (Basic Techniques of Anaesthesia)**

**QP CODE: 8445**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Define general Anaesthesia .Discuss about stages, and complications of general anaesthesia

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Preparation of patient for anaesthesia
3. Spinal anaesthesia
4. Peri-operative pain management
5. CPR -cardio pulmonary resuscitation
6. Intravenous regional anaesthesia
7. PACU-Post Anaesthesia Care Unit
8. Gas delivery breathing circuit
9. Recovery from anaesthesia
10. Breathing circuits

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Responsibilities of anaesthetist
12. General anaesthesia triad
13. Techniques for maintaining an airway
14. Liquid Oxygen
15. Local anaesthetic techniques
16. Laryngoscope
17. Types of endotracheal tubes
18. Name three induction agents
19. Name three inhale anaesthetics
20. Pre anaesthetic care
21. Activities for controlling the infection in OT

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**PAPER - II (Medical Disease Influencing Choice of Anaesthesia)**

**QP CODE: 8446**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Management of hypotension during anesthesia. Discuss about CPR.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Describe Myocardial infarction (MI).
3. Describe Meningitis and encephalitis.
4. Discuss about respiratory failure.
5. Management of Head injury
6. Describe Etiopathogenesis of Septic shock
7. Describe Renal failure and renal function tests.
8. Describe Dyselectrolytemia.
9. Etiopathogenesis of Diabetes Mellitus.
10. Management of Anemia

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Describe Management of Ischemic heart disease
12. Describe Aortic regurgitation
13. Describe Management of Asthma
14. Describe Causes of Jaundice
15. Management of Metabolic acidosis
16. Classify Obesity.
17. Etiopathogenesis of Pneumonia.
18. Management of Thyrotoxicosis.
19. Describe Tracheostomy
20. Management of EDH
21. Describe SIADH

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**PAPER - III (Medicine Relevant to OT Technology)**

**QP CODE: 8447**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Define biomedical waste. Discuss about the components , disposal of the biomedical waste

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Induction agents
3. Staff of CSSD
4. Methods of sterilization
5. Formaldehyde
6. Local antiseptics
7. Ether
8. Halothane
9. Gloving technique
10. Mopping technique

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Name three inhalational agents
12. Reversal agents
13. Disinfectants
14. Name three non-absorbable sutures
15. Dressing technique
16. Abdominal surgery infection prevention post-surgery
17. Zones of operation theatre
18. Five clinical criteria for recovery
19. Face masks
20. Reversal drugs
21. Dangers of full stomach in anaesthesia

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**IV SEMESTER**

**PAPER - IV (ATOT Directed Clinical Education II)**

**QP CODE: 8448**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

**Long Questions**

**10X1 = 10 Marks**

1. Describe Prevention of infection in operating theater.

**Short Essays: (Any – 8)**

**5 X 8 = 40 Marks**

2. Describe GCS – Glasgow coma scale.
3. Describe Uses of drains in surgery.
4. Describe Diathermy.
5. Describe Airway management technique.
6. Describe Deep vein thrombosis – complications and prevention.
7. Brief note on recovery room and expected post-operative complications.
8. Describe Medical emergencies in intra operative period.
9. Describe Role of anesthesia outside operating room.
10. Describe Steps of donning and doffing.

**Short Answers: (Any – 10)**

**3 X 10 = 30 Marks**

11. Describe Aldrete recovery score.
12. Describe Foleys urinary catheterization.
13. Describe Post exposure prophylaxis for needle stick injury.
14. Short note of different suture material.
15. Describe Syringe pump.
16. Describe Care of endoscopes.
17. Describe Components of high pressure system.
18. Describe Different methods of sterilisation.
19. Describe Ryles tube insertion.
20. Describe Prevention of aspiration.
21. Describe Different safety codes in hospital.