

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 spinal anaesthesia. Discuss about indications, procedure and complications of spinal anaesthesia.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Day care surgery
3. Mechanism of action of local anaesthetic drugs
4. Perioperative 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. Patient controlled analgesia

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Responsibilities of anaesthetist.
12. General anaesthesia triad.
13. Techniques for maintaining an airway
14. Types of anaesthesia
15. Tourniquets
16. Laryngoscope
17. Types of endotracheal tubes
18. Name three induction agents
19. Name three inhalational anesthetics
20. Danger of full stomach in anaesthesia
21. Prevention of fire and electric hazards in OT

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IV SEMESTER

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. Define and classify COPD. Discuss about respiratory failure.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Describe Renal failure and renal function tests.
3. Describe Head injury.
4. Describe Hypertension
5. Describe Valvular heart disease.
6. Describe Tuberculosis
7. Describe Jaundice.
8. Describe Urinary tract infection.
9. Describe management of Anemia
10. Metabolic acidosis and metabolic alkalosis

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Management of Ischemic heart disease
12. Classify Obesity
13. Describe COPD
14. Describe etiopathogenesis of Hepatitis
15. Describe Hypokalemia
16. Describe Pneumonia.
17. Describe Mitral stenosis.
18. Describe Cushings disease
19. Describe Diabetic ketoacidosis (DKA)
20. Describe SDH
21. Describe Diabetes Insipidus

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IV SEMESTER

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 sterilization. discuss techniques, steps , processing and functioning of sterilization

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Halothane
3. OT tray for appendectomy
4. PCA patient controlled analgesia
5. Gloving techniques
6. Anti-septic agents
7. Sterile Dressing
8. Post op surgical site infection
9. Formaldehyde uses
10. Routes of administration of drug

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Name three absorbable sutures
12. CSSD staff
13. Steps of hand washing
14. Post op analgesic drugs
15. Ryles tube
16. Defibrillation
17. Colour codes for bio medical waste management
18. ASA grading system
19. Plasma volume expanders
20. Glutaldehyde- cidex
21. Name three non-absorbable sutures

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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. Write a note on airway management technique. Enumerate complications of endotracheal intubation.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Describe Blood transfusion – complications and management.
3. Describe Non-invasive radiologic procedure.
4. Describe ASA Score.
5. Describe Analgesic delivery system.
6. Describe Deep vein thrombosis – complications and prevention.
7. Describe Immediate post-operative complication.
8. Describe Hand washing techniques.
9. Describe Different positioning of the patient for surgeries.
10. Describe Role and responsibilities of OT technicians.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Describe Defibrillator.
12. Describe Disinfection.
13. Explain OT fumigation.
14. Name different regional blocks.
15. Describe Informed consent.
16. Describe PPE – Personal protective equipment.
17. Describe Foleys urinary catheterization.
18. Role of anesthesia outside operating room..
19. Short note of different suture material.
20. Describe Aldrete recovery score.
21. Describe Post exposure prophylaxis for needle stick injury.