

BLDE (DEEMED TO BE UNIVERSITY)**B.Sc. in Anaesthesia Technology****[Time: 3 Hours]****[Max. Marks: 80]****VI SEMESTER****PAPER - I (Basic Intensive Care)****QP CODE: 8650**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions**10X1 = 10 Marks**

1. What is laparoscopic surgery? Explain the preparation for 40year old male patient posted for laparoscopic appendectomy.

Short Essays: (Any – 8)**5 X 8 = 40 Marks**

2. Define shock mention different types of shock with their etiologies?
3. How do you classify IVF fluids?
4. Compare ECF vs ICF?
5. Draw a neat labelled diagram of ECG?
6. What is septic shock? Mention its management.
7. Hypovolemic shock?
8. Explain CO2 cylinder used for laparoscopic surgeries?
9. Explain formula for intraoperative fluid requirement?
10. What are major leads of ECG monitored in Operation Theater and its relevance?

Short Answers: (Any – 10)**3 X 10 = 30 Marks**

11. Name three crystalloids.
12. Name three colloids.
13. Gases used for laparoscopic surgeries.
14. Components of RL.
15. Uses of 25% Dextrose.
16. What is anaphylactic shock?
17. Normal PR interval and its importance.
18. What is interstitial fluid?
19. Normal blood volume.
20. Major ions in ECF.
21. Components of isolyte P

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VI SEMESTER

PAPER - II (Specialised Surgeries and Anaesthesia)

QP CODE: 8651

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Explain respiratory system and it's clinical examination under inspection, Palpation, percussion and auscultation?

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Expand 'PICKLE' and explain each?
3. What is fluid thrill and explain its significance?
4. What is pallor and explain its significance and sites. Where it should be examined?
5. Explain the auscultatory areas and their significance?
6. What is edema and its significance?
7. Examination of motor system?
8. Mention cranial nerves?
9. What is apical impulse and its importance?
10. Explain percussion of abdomen?

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Koilonychia?
12. Importance of precordium?
13. Icterus?
14. What is significance of auscultatory gap in B.P measurement?
15. Classify cardiac murmurs?
16. Auscultatory areas of chest for lower respiratory tract?
17. Explain characteristics of second heart sounds?
18. Significance of examination of eye?
19. How do you examine upper respiratory tract?
20. How do you examine higher mental functions?
21. How do you examine sensory system?

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VI SEMESTER

PAPER - III (Electronics and Technology in Surgery and Anaesthesia)

QP CODE: 8652

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Explain the concept of a mechanical ventilator. Provide details on the different modes of ventilator

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Differences between acute and chronic pain
3. How to monitor patients on ventilators?
4. SIMV mode of ventilator
5. ACMV mode of ventilator
6. Weaning from ventilator
7. What is pulse? Mention sites for its measurements
8. What is normal body temperature and how it is regulated?
9. C-PAP
10. Diagrammatic presentation of the pain pathway

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Name 3 drugs for chronic pain.
12. Characteristics of normal pulse.
13. Face's Scale for pain measurement
14. Define pain.
15. Mention 3 mediators of pain: -
16. What is PEEP?
17. Mention newer modes of ventilator
18. Pulse oximeter
19. Pain receptors
20. Name 3 drugs for acute pain.
21. Visual analogue scale for pain measurement

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VI SEMESTER

PAPER - IV (ATOT Directed Clinical Education IV)

QP CODE: 8653

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. List comparisons between paediatric airway compared to adults? What are different methods of induction of GA in paediatric patients?

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Diagrammatic representation of CSF circulation
3. Fluid management in paediatric patients posted for surgery
4. Difficulties of spinal anaesthesia in elderly patients.
5. Lithotomy position
6. CVP waves and its importance.
7. Anaesthetic consideration in Lumbar spine surgeries
8. Caudal epidural in paediatric patient
9. Common comorbidities of elderly patients
10. What are the indications of intubation in ICU?

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. Trendelenburg position
12. Indications of tracheostomy in ICU.
13. Induction agents for neuroanaesthesia.
14. Define neonate, infant and paediatric age group.
15. Laryngoscope blades for paediatric patients.
16. Spinal nerves – total number and how are they divided.
17. What is Sims position.
18. Complications of prone positioning.
19. Induction methods for paediatric patients.
20. Selection of ET tube for paediatric patients.
21. Cerebral autoregulation.