

Question Paper

Exam Date & Time: 16-May-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. ANAESTHESIA AND OPERATION THEATER TECHNOLOGY DEGREE EXAMINATION - MAY
2022

SUBJECT: BAOTT 302 - SPECIALIZED SURGERY AND ANAESTHESIA
(2019 SCHEME)

Answer ALL questions.

Marks: 100

Duration: 180 mins.

- 1) Explain in detail the clinical manifestations, etiology and management of: (20)
 - i) Angina Pectoris
 - ii) Hypertension
 - iii) COPD
 - iv) Asthma
- 2) Describe the care and maintenance of para-surgical equipment. (20)
- 3) Explain the indication, sites of central venous cannulation. Describe the technique of IJV cannulation. (10)
- 4) Explain the components, working principle and weaning from cardio-pulmonary bypass. (10)

- 5A) Compare the various positions used in neurosurgery. (5)
- 5B) Explain the anaesthetic concerns of laparoscopic procedures. (5)
- 5C) Explain in detail the indication and working of cell saver technique. (5)
- 5D) Describe the principles and sites of temperature monitoring. (5)
- 5E) Explain the preoperative airway assessment. (5)
- 5F) Describe the anaesthetic requirements in paediatric patient. (5)

- 6A) List the sites for arterial cannulation (2)
- 6B) Mention the functions of spleen. (2)
- 6C) List the indication of one lung ventilation. (2)
- 6D) Define capnography with a neat labelled diagram. (2)
- 6E) Classify emergency caesarian section. (2)

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Question Paper

Exam Date & Time: 18-May-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. ANAESTHESIA AND OPERATION THEATER TECHNOLOGY DEGREE EXAMINATION - MAY
2022

SUBJECT: BAOTT 304 - ELECTRONICS AND TECHNOLOGY IN SURGERY AND ANAESTHESIA
(2019 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain in detail about surgical needles & the type of surgical needles | (20) |
| 2) | Explain about pacemaker | (20) |
| 3) | Explain the principles of surgical diathermy | (10) |
| 4) | Explain in detail about nonabsorbable suture materials | (10) |
| 5A) | How to put a drain explain the steps In detail? | (5) |
| 5B) | Explain the advantages & complications associated with laparoscopic surgeries | (5) |
| 5C) | Define defibrillation & write the principles of defibrillation | (5) |
| 5D) | Mention the conditions using peripheral nerve stimulator | (5) |
| 5E) | Explain the steps of hand washing | (5) |
| 5F) | Classify the types of consent | (5) |
| 6A) | Explain the complications associated with nerve stimulator | (2) |
| 6B) | Explain any two features of operating light | (2) |
| 6C) | Explain the disadvantages of monopolar current | (2) |
| 6D) | Explain the types of suction devices | (2) |
| 6E) | Define the types of knots | (2) |

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