

Question Paper

Exam Date & Time: 01-Jun-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. ANAESTHESIA AND OPERATION THEATER TECHNOLOGY DEGREE EXAMINATION -
MAY/JUNE 2022
SUBJECT: AOT2201 - MEDICINE II
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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| 1) | Define hypertension, classification & medical management of hypertension | (10) |
| 2) | Explain in detail about ARDS | (10) |
| 3A) | Explain the medical management of arterial & venous thromboembolism | (5) |
| 3B) | Explain the causes, symptoms, diagnosis and treatment of trophic ulcer | (5) |
| 3C) | Define the risk factors , signs & symptoms of pulmonary embolism | (5) |
| 3D) | Explain the purpose and indications of oxygen therapy | (5) |
| 4A) | Define the stages of Pneumonia | (2) |
| 4B) | Explain Mantoux test | (2) |
| 4C) | Define bronchiectasis | (2) |
| 4D) | What you mean by cardiac evaluation | (2) |
| 4E) | Define two main forms of COPD | (2) |

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Question Paper

Exam Date & Time: 03-Jun-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. ANAESTHESIA AND OPERATION THEATER TECHNOLOGY DEGREE EXAMINATION -
MAY/JUNE 2022
SUBJECT: AOT2202 - BASIC TECHNIQUES OF ANAESTHESIA
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain in detail the technique and positioning of:
i) Subarachnoid block.
ii) Epidural analgesia. | (20) |
| 2) | Classify neuromuscular blocking agents and discuss its pharmacology. | (20) |
| 3) | Classify intravenous inducing agents. Write a detailed note on thiopentone. | (10) |
| 4) | Classify local anaesthetic agents and write a note on local anaesthesia toxicity. | (10) |
| 5A) | Explain in detail general anaesthesia depth monitoring. | (5) |
| 5B) | Explain in detail oxygen therapy and the devices used. | (5) |
| 5C) | Describe the pharmacology of colloids. | (5) |
| 5D) | Describe the ASA classification for risk stratification. | (5) |
| 5E) | Explain in detail the types and components of suction apparatus. | (5) |
| 5F) | Discuss the components of high-quality CPR. | (5) |
| 6A) | Mention the drugs used in ACLS. | (2) |
| 6B) | Define balanced anaesthesia. | (2) |
| 6C) | Name three epidural needles. | (2) |
| 6D) | List the deep and superficial nerves for ankle block. | (2) |
| 6E) | List out various approaches used in Brachial Plexus Block. | (2) |

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