

POST GRADUATE EXAMINATION, JUNE - 2023**MD ANAESTHESIOLOGY****(PAPER ONE)****BASIC SCIENCES****[Time allotted: Three hours]****[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Describe the anatomy of the Tracheobronchial tree with a neat diagram. Discuss positions for postural drainage and their significance in pre and postoperative care. **(20)**

Q. 2. Enumerate the factors affecting the uptake and distribution of volatile anaesthetic agents. Explain diffusion hypoxia. **(20)**

Q. 3. Describe briefly: **(3 x 10 = 30)**

- a. Classify Local Anaesthetics. Write a note on liposomal bupivacaine
- b. Massive blood transfusion
- c. Capnography

Q. 4. Write short notes on: **(5 x 6 = 30)**

- a. First public demonstration of the anaesthesia
- b. Informed consent
- c. Treatment of Hyperkalemia
- d. Sir Ivan Magill
- e. Bain's circuit

X

POST GRADUATE EXAMINATION, JUNE - 2023

**MD ANAESTHESIOLOGY
(PAPER TWO)**

CLINICAL ANAESTHESIA

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the pre anesthetic assessment, optimization and anesthetic management of a 70 years old patient posted for total hip replacement. **(20)**
- Q. 2.** Describe briefly the risk assessment of postoperative nausea and vomiting (PONV), its prevention, treatment and rescue management for persistent vomiting. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Causes and management of post-extubation respiratory distress.
 - b. Pre-operative preparation and management of a 6-year old female patient for strabismus surgery.
 - c. Discuss ERAS protocol for ambulatory surgery.
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. TURP Syndrome
 - b. Attenuation of surgical stress response
 - c. STOP BANG Criteria
 - d. Cryoprecipitate
 - e. Advantages of USG guided nerve blocks

X

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**MD ANAESTHESIOLOGY
(PAPER THREE)**

APPLIED ANAESTHESIA IN RELATION TO CASE MANAGEMENT

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the pathophysiology and diagnosis of a case of pheochromocytoma. Give an account of preparation, monitoring and anaesthetic management of a 25 year old patient suffering from pheochromocytoma? **(20)**
- Q. 2.** Discuss the problem associated with the anesthetic management of a 1 day old neonate posted for Tracheo Oesophageal Fistula Repair. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Fluid management of 50% burns patient
 - b. Sedation in ICU
 - c. Anaesthetic concerns in MRI suite
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Modified ECT
 - b. Role of Magnesium in anesthesia
 - c. Role of anaesthesiologist in managing shoulder pain.
 - d. TAP block
 - e. WHO ladder of chronic pain management

X

POST GRADUATE EXAMINATION, JUNE - 2023

**MD ANAESTHESIOLOGY
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Signs, symptoms, pulmonary complications, diagnosis and management of corona virus Infection.

(20)

Q. 2. Recent changes in AHA guidelines in BLS in 2020 (include for covid patient also).

(20)

Q. 3. Describe briefly:

(3 x 10 = 30)

- a. Goal directed Peri-operative fluid therapy
- b. Anaphylaxis in anaesthesia practice
- c. Newer pain relieving modalities

Q. 4. Write short notes on:

(5 x 6 = 30)

- a. Prothrombin complex concentrate.
- b. Remifentanyl.
- c. Quality assurance in anaesthesia
- d. Sugammadex
- e. LAST

X