

POST GRADUATE EXAMINATION, MAY - 2018

**MD ANAESTHESIOLOGY
(PAPER ONE)**

BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe CSF circulation (with diagram). Enumerate methods of ICP monitoring. Enumerate factors affecting ICP and measures to control ICP during anaesthesia. (20)
- Q. 2.** Draw and describe labeled diagrams of lateral wall of nasal cavity and its nerve supply. Discuss anaesthetic management of functional endoscopic sinus surgery. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- Various types of breathing circuits (with diagrams)
 - Induced hypotension
 - Anatomical difference in adult and pediatric airway
- Q. 4. Write short notes on:** (5 x 6 = 30)
- Blood : Gas co-efficient
 - Functional residual capacity (FRC)
 - Peter Safar
 - Thrombo elastography (TEG)
 - Walking epidural

X

POST GRADUATE EXAMINATION, MAY - 2018

**MD ANAESTHESIOLOGY
(PAPER TWO)**

**CLINICAL ANAESTHESIA IN RELATION TO VARIOUS MEDICAL CONDITIONS
INVOLVING ALL AGE GROUPS**

[Time allotted: Three hours]

[Max Marks: 100]

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss anaesthetic considerations in elderly patient with permanent pacemaker posted for total hip replacement. (20)

Q. 2. Preoperative assessment and anaesthetic considerations in morbidly obese patient for laproscopic cholecystectomy. (20)

Q. 3. Describe briefly: (3 x 10 = 30)
a. Bone cement implantation syndrome
b. Common causes of cardiac arrest in pregnant patients and their resuscitation
c. Anaesthetic management of 18 months old child posted for cleft lip and cleft palate

Q. 4. Write short notes on: (5 x 6 = 30)
a. Hypoxic pulmonary vasoconstriction
b. Patient controlled analgesia
c. Hyperkalemia
d. Indications for hemodialysis
e. HELLP syndrome

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 anesthetic management of a 76 years old patient with benign prostatic hyperplasia for TURP surgery with permanent pacemaker. **(20)**

Q. 2. A 36 weeks primigravida was admitted with history of seizures. Discuss the anesthetic considerations and management for emergency LSCS. **(20)**

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

- a. Discharge criteria after day care surgery
- b. Painless delivery
- c. Anaesthetic concerns for cerebral aneurysms

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

- a. Deep vein thrombosis prophylaxis
- b. ICP Monitoring
- c. Management of hyperkalemia
- d. Management of PDPH
- e. WHO analgesic ladder

X

POST GRADUATE EXAMINATION, MAY - 2018

**MD ANAESTHESIOLOGY
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the uses of ultrasound in anaesthesia. (20)
- Q. 2.** Discuss the role of video-laryngoscopes in today's anaesthesia scenario. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Biomarkers in anaesthesiology
 - b. Mechanical ventilation in Acute Respiratory Distress Syndrome
 - c. Enhanced recovery after surgery
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. End of life care
 - b. TAP block
 - c. Post-operative cognitive dysfunction
 - d. Modified ECT
 - e. Recent changes in basic life support

X