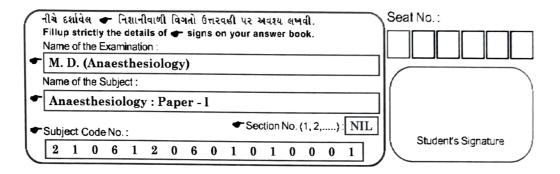
BB-2106120601010001 M. D. (Anaesthesiology) Examination April - 2022 Anaesthesiology : Paper - I (Basic Science Applied To Anaesthesiology & Analgesia)

Time : 3 Hours]

[Total Marks : 100

Instruction :



- 1 Describe the uptake, distribution and elimination of **30** inhalational agents. Discuss the various factors which regulate the alveolar concentration of inhalational anaesthetic agents.
- 2 Describe regulation of cerebral blood flow. Describe the 30 factors that affect the intracranial pressure perioperatively. Discuss various methods used to reduce intracranial pressure.
- **3** Write short notes : (any four)
 - (1) Low flow Anaesthesia
 - (2) Peripheral Nerve Stimulator
 - (3) Challenges to vascular access in paediatric patient
 - (4) WHO surgical safety checklist
 - (5) Bezold Jarisch Reflex.

10×4

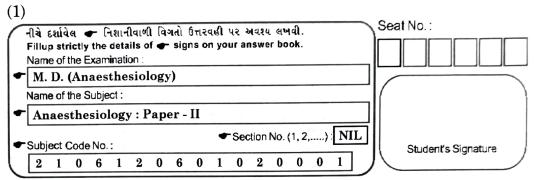
BB-2106120601020001 M. D. (Anaesthesiology) Examination April - 2022 Anaesthesiology : Paper - II

(Clinical Science Applied To Anaesthesiology & Analgesia)

Time : 3 Hours]

[Total Marks : 100

Instructions :



(2) Attempt all questions.

- 1 Discuss about role of thymectomy in myasthenia gravis, 30 and preoperative preparation and anaesthesia considerations for anaesthesia management for thymectomy.
- 2 A 40 year old female patient from hilly region of north 30 India is posted for surgery of huge thyroid. Her fasting blood sugar is 242 gm/dl. Discuss the preoperative evaluation, preparation and anaesthesia management and postoperative complications and management.
- 3 Write short notes on : (any four) 10×4
 - (1) CPAP and BIPAP modes of ventilation
 - (2) Pacemaker and Anaesthesiologist for abdominal surgery
 - (3) Supra-glottic Airway devices
 - (4) Use of oxygen concentrator in Covid 19 patients
 - (5) BIS monitoring.

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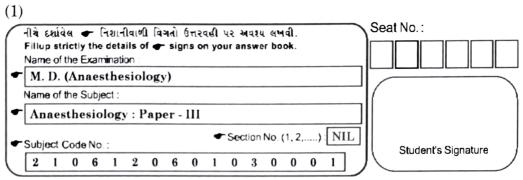
BB-2106120601030001 M. D. (Anaesthesiology) Examination April - 2022 Anaesthesiology : Paper - III (Theory & Practice Anaesthesiology & Resuscitation)

Time : 3 Hours]

2

[Total Marks : 100

Instructions :



(2) Attempt all questions.

- 1 A patient with hydatid cyst in right lung posted 5+5+10+10 for removal of cyst. Discuss in detail preoperative evaluation, preparation and anaesthesia management considering related complications.
- 2 How will investigate and prepare a patient with ischemic 10 heart disease posted for TURP ?
- 3 Discuss in detail preoperative optimization and anaesthesia 20 management of a patient posted for laparoscopic nephrectomy who had CWT score of 16 during COVID 19 wave second and with fasting blood sugar 212 mg/dl.
- Write short notes on : (any four) 10×4=40
 (a) Compare old and recent AHA guidelines of ACLS in adult
 - (b) Different types of LMA wih specific use
 - (c) Regional Anaesthesia for thyroid surgery
 - (d) Intraoperative invasive monitoring
 - (e) Ropivacaine
 - (f) What is ventury principle ? Discuss its usage in anaesthesia practice.

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M. D. (Anaesthesiology) Examination

April - 2022

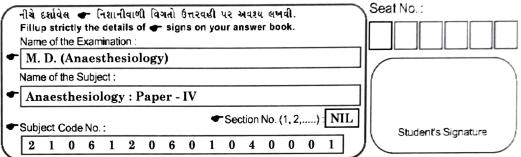
Anaesthesiology : Paper - IV

(Theory & Practice of Anaesthesiology & Recent Advances)

Time : 3 Hours]

[Total Marks : 100

Instruction :



1 A 8 year old girl is posted for correction of 5+10+5+5+5 kyphoscoliosis deformity. Discuss preoperative assessment, technique of anaesthesia, positioning, intraoperative spinal cord monitoring and immediate postoperative management.

2 Write anaesthetic management in brief : 20

- (1) Endoscopic retrograde pencreatocholingiography with stent insertion.
- (2) Define noninvasive ventilation types, indication, contraindication and limitation.

3 Write notes on : (any five)

- (1) Low back pain causes and pathophysiology for them.
- (2) Principle of gas monitoring and role of inhalation anaesthetic agent monitoring in anaesthesia.
- (3) Role of ultrasonography in regional anaesthesia.
- (4) Factors responsible for postoperative deep vein thrombosis. How will you diagnose prevent it.
- (5) Define massive blood transfusion and its side effect.
- (6) Anaesthesiologist concern for patient on total parentral nutrition.

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