



BB-2106120601010001

M. D. (Anaesthesiology) Examination

April - 2022

Anaesthesiology : Paper - I

(Basic Science Applied To Anaesthesiology & Analgesia)

Time : 3 Hours]

[Total Marks : 100

Instruction :

नीचे दशांशवेल निशानीवाणी विगतो उत्तरवही पर अवश्य लक्षवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
☛ M. D. (Anaesthesiology)	<input type="text"/>
Name of the Subject :	<input type="text"/>
☛ Anaesthesiology : Paper - I	<input type="text"/>
☛ Subject Code No. :	Section No. (1, 2,.....) : NIL
2 1 0 6 1 2 0 6 0 1 0 1 0 0 0 1	<input type="text"/>
	Student's Signature

- 1 Describe the uptake, distribution and elimination of inhalational agents. Discuss the various factors which regulate the alveolar concentration of inhalational anaesthetic agents. 30
- 2 Describe regulation of cerebral blood flow. Describe the factors that affect the intracranial pressure perioperatively. Discuss various methods used to reduce intracranial pressure. 30
- 3 Write short notes : (any **four**) 10×4
 - (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.



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M. D. (Anaesthesiology) Examination

April - 2022

Anaesthesiology : Paper - II

(Clinical Science Applied To Anaesthesiology & Analgesia)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृश्येक निशानीवाणी विगतो उत्तरवही पर अवश्य लखवी. Fillup strictly the details of signs on your answer book. Name of the Examination : M. D. (Anaesthesiology) Name of the Subject : Anaesthesiology : Paper - II Subject Code No. : 2 1 0 6 1 2 0 6 0 1 0 2 0 0 0 1 Section No. (1, 2,.....): NIL	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Student's Signature
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(2) Attempt all questions.

- 1 Discuss about role of thymectomy in myasthenia gravis, and preoperative preparation and anaesthesia considerations for anaesthesia management for thymectomy. **30**
- 2 A 40 year old female patient from hilly region of north 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. **30**
- 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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M. D. (Anaesthesiology) Examination

April - 2022

Anaesthesiology : Paper - III

(Theory & Practice Anaesthesiology & Resuscitation)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृष्टवैक निशानीवाणी विजतो उत्तरवही पर अवश्य लखवी. Fillup strictly the details of signs on your answer book. Name of the Examination : M. D. (Anaesthesiology) Name of the Subject : Anaesthesiology : Paper - III Subject Code No. : 2 1 0 6 1 2 0 6 0 1 0 3 0 0 0 1 Section No. (1, 2,.....): NIL	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Student's Signature
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(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 heart disease posted for TURP ? 10
- 3 Discuss in detail preoperative optimization and anaesthesia 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. 20
- 4 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 with 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 :

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लपदी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
M. D. (Anaesthesiology)

Name of the Subject :
Anaesthesiology : Paper - IV

Subject Code No. : 2 1 0 6 1 2 0 6 0 1 0 4 0 0 0 1

Section No. (1, 2,.....): NIL

Seat No.:

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- 1 A 8 year old girl is posted for correction of kyphoscoliosis deformity. Discuss preoperative assessment, technique of anaesthesia, positioning, intraoperative spinal cord monitoring and immediate postoperative management. **5+10+5+5+5**
- 2 Write anaesthetic management in brief : **20**
 - (1) Endoscopic retrograde pencreatocholangiography with stent insertion.
 - (2) Define noninvasive ventilation types, indication, contraindication and limitation.
- 3 Write notes on : (any five) **50**
 - (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 parenteral nutrition.