



RAN-2406120101010504

M.D. (Anaesthesiology) Examination September - 2025

Paper - IV

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M.D. (Anaesthesiology)

Name of the Subject :

Paper - IV

Subject Code No.: **2406120101010504**

Seat No.:

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Student's Signature

- Q-1.** Discuss the pharmacokinetics, pharmacodynamics and uses of Dexmedetomidine in anaesthesia and intensive care. **(4+4+2=10)**
- Q-2.** Discuss anatomy, indication, technique and complication of coeliac plexus block. **(2+2+3+3=10)**
- Q-3.** Discuss the anaesthetic concerns and management of ASD closure in two-year-old child in cath lab. **(5+5=10)**
- Q-4.** Describe newer modes of ventilation, and their application in compromised lungs in ICU. **(5+5=10)**
- Q-5.** Discuss in brief the anaesthetic considerations in- utero foetal surgery. **(10)**
- Q-6.** Discuss briefly: - **(4+3+3=10)**
- Pathophysiology of pulmonary oedema.
 - Patient controlled analgesia
 - Adjuvants in spinal anaesthesia.

- Q-7.** Discuss the role of prehabilitation and multidisciplinary optimisation of geriatric surgical patients. **(10)**
- Q-8.** Discuss anaesthetic management of cytoreductive surgery and Hyperthermic Intraperitoneal Chemotherapy (HIPAC). **(10)**
- Q-9.** Discuss briefly: - **(2+3+3+2=10)**
- A. Cerebral blood flow monitoring
 - B. Cerebral Oxygenation Monitoring
 - C. Intracranial pressure monitoring.
 - D. Intracranial Biochemistry.
- Q-10.** Discuss Intraoperative blood conservation strategies. **(10)**
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