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RAN-2406120101010504

M.D. (Anaesthesiology) Examination April - 2025

Anaesthesiology Paper IV

(Theory & Practice of Anaesthesiology & Recent Advances)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

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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 :

**Anaesthesiology Paper IV (Theory & Practice of
Anaesthesiology & Recent Advances)**

Subject Code No.: **2406120101010504**

Seat No.:

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Student's Signature

Q.1. Discuss in brief:

- (1) Challenges in NORA (Non Operating Room Anaesthesia) **(10)**
- (2) Criteria of weaning from the controlled ventilation and the modes of weaning. **(10)**

Q.2. Write briefly on:

- (1) How will you evaluate a case of low backache and describe Interventional techniques used for its management **(10)**
- (2) TIVA and advanced target controlled infusion pumps **(10)**

Q.3. Write notes on:

- (1) Describe perioperative blood conservation techniques **(10)**
- (2) Role of newer proton pump inhibitors in perioperative period **(10)**

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Q.4. Write about following :

- (1) Role of alpha 2 agonists in pain management (10)
- (2) Sugammadex- mechanism of action, indications, relative contraindications and doses in different clinical scenarios (10)

Q.5. Write short notes on :

20 marks

- (1) E FAST
 - (2) Inverse ratio Ventilation
 - (3) Remifentanyl
 - (4) Environmental impact of anaesthetic agents
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