

**RAN-2406120101010501****M.D. (Anaesthesiology) Examination September - 2025****Paper - I****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 - I**Subject Code No.: **2406120101010501**

Seat No.:

Student's Signature

Q-1. Write notes on: -**(3+4+3=10)**

- A. ANNOVA
- B. Cohort study in research.
- C. Student "t" test.

Q-2. Discuss:-**(3+4+3=10)**

- A. Ropivacaine.
- B. Rocuronium
- C. Midazolam

Q-3. Discuss how a child can't be a small adult.**(10)****Q-4. Discuss:-****(5+5=10)**

- A. Proportionating devices in anaesthesia machine for maintenance of required oxygen in gas mixture.
- B. Buska supra glottic airway.

Q-5. Describe:-**(5+5=10)**

- A. Compliance of respiratory system.
- B. Work of breathing.

- Q-6. Discuss:- (5+5=10)**
A. Non invasive methods of cardiac output monitoring
B. Pulmonary artery catheter and data interpretation.
- Q-7. Discuss:- (6+4=10)**
A. PSA oxygen plant.
B. Rotameter
- Q-8. Short notes on: - (5+5=10)**
A. Anaesthesia ventilators.
B. Venous air Embolism.
- Q-9. Short note on:- (6+4=10)**
A. Enumerate various markers of kidney function. How e-GFR is calculated;
B. Oculo-cardiac reflex.
- Q-10. Short note on: - (5+5=10)**
A. Phase II block and its management
B. Capnography
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