

**M.D. DEGREE EXAMINATION**  
**BRANCH X – ANAESTHESIOLOGY**  
**PAPER IV – ANAESTHESIOLOGY INCLUDING CRITICAL CARE AND**  
**RECENT ADVANCES IN ANAESTHESIOLOGY**

*Q.P. Code :202042*

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the various modes of ventilation and describe briefly the management of 40yr old patient with organophosphorus poisoning.
2. Discuss the various invasive and non invasive monitoring in anaesthesia. Discuss in detail invasive blood pressure and cardiac output monitoring.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Total parenteral nutrition.
2. Application of USG in anaesthesia.
3. Early goal directed therapy in sepsis.
4. Blood component therapy.
5. Three-in-one block.
6. Supraglottic airway device.
7. Levitan scope.
8. Continuous Ambulatory Peritoneal dialysis.
9. Hormone therapy is deceased donor.
10. Levosimendan.

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