

[LN 145]

OCTOBER 2018

Sub. Code: 2040

**M.D. DEGREE EXAMINATION  
BRANCH X – ANAESTHESIOLOGY**

**PAPER I – APPLIED BASIC SCIENCES RELATED TO ANAESTHESIA  
INCLUDING PHYSICS IN ANAESTHESIA, HISTORY  
OF ANAESTHESIA**

*Q.P. Code: 202040*

**Time : Three Hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Definition, classification and description of breathing systems and circuits. (including functional analysis).
2. Describe in detail about the Broncho pulmonary segments and their significance. Elaborate on Oxygen transport in blood.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Propofol.
2. Cardiac Cycle.
3. Cerebral Autoregulation.
4. W.T.G. Morton.
5. Blood gas solubility.
6. Chemoreceptors.
7. Non respiratory functions of Lungs.
8. Synchronised Intermittent Mandatory Ventilation.
9. Liver Function Tests.
10. Anti hypoxic flowmeters.

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