

[LS 145]

NOVEMBER 2020  
(OCTOBER 2020 SESSION)

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. Describe the anatomy of larynx and its innervations. What are the differences between neonatal and adult larynx? Enumerate with diagrams the types of vocal cord palsies.
2. Enumerate various positions in relation to anaesthesia and discuss in details the problems associated with positions?

**II. Write notes on:**

**(10 x 7 = 70)**

1. Safety features in Anaesthesia Machine.
2. Hypoxic pulmonary vasoconstriction.
3. Mr WTG Morton.
4. Mapleson classification of breathing system.
5. Oxygen cascade.
6. ANTS (Anaesthesia Non Technical Skills).
7. Swan Ganz catheter.
8. Bazold Jarisch reflex.
9. Labetolol.
10. Plasma gas sterilization.

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