

**DIPLOMA IN ANAESTHESIOLOGY (DA) EXAMINATION**

**APPLIED BASIC SCIENCES RELATED TO ANAESTHESIA,  
HISTORY OF ANAESTHESIA AND PHYSICS IN ANAESTHESIA**

*Q.P. Code: 343030*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the various causes of raised intra cranial pressure and Anaesthetic management of a 2 yr old child posted for V.P. shunt.
2. Define hypoxia. Enumerate the different types and effects of hypoxia and a note on postoperative hypoxia.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Ralf Waters.
2. Hagen Poiseulle equation.
3. Oxygen Cascade.
4. Cholinergic receptors-types, location and function.
5. Partition coefficient.
6. Chlorprocaine.
7. Tests of Neuromuscular transmission.
8. Humidification.
9. Respiratory acidosis.
10. Transdermal drug delivery systems.

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