

(LQ 1522)

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 3030

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. Define minimum alveolar concentration, enumerate the physiological & pharmacological factors affecting MAC. Give MAC for all the halogenated agents.
2. What is homeostasis? Describe in detail about the acid base regulation of human body?

II. Write notes on:

(10 x 7 = 70)

1. Father of anaesthesia
2. Poynting effect
3. Gate control theory of pain
4. Dexmedetomidine
5. Define perfusion index and pleth variability index
6. Hering -Breuer Reflex
7. Reynold' number and it's clinical application in anaesthesia
8. Methods of intra venous fluid warming
9. Liquid oxygen
10. Cerebral function monitoring
