

[LS 1522]

NOVEMBER 2020
(OCTOBER 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 pain, mention the various theories of pain. Describe pain pathway in detail.
2. What are the causes of hypoventilation? How will you detect & manage the hypoventilation as an anaesthesia provider?

II. Write notes on: **(10 x 7 = 70)**

1. Sir Ivan Magill
2. Henry's law & its application in anaesthesia
3. Coagulation pathway
4. Clonidine
5. Closing volume & its importance
6. Oxygen free radicals
7. Bispectral index -monitoring
8. Stages & signs of hepatic encephalopathy
9. Cardioversion
10. Glasgow coma scale
