

(LE 1522)

APRIL 2014

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:

(2X15=30)

1. Define functional residual capacity and closing capacity. Briefly describe their significance in anaesthetic practice.
2. Describe CVP (central venous pressure) wave forms and correlate with ECG with the help of a diagram. Discuss the diagnostic significance of the CVP wave forms.

II. Write notes on:

(10X7=70)

1. Caudal epidural space.
2. BOHR Effect.
3. W.T.G Morton.
4. Hypokalemia.
5. α_2 agonists.
6. Boyle's law.
7. Alveolar Air equation.
8. Oxygen fail safe devices.
9. Proseal LMA (Laryngeal mask airway).
10. Innervation of larynx.
