

[LG 0415]

APRIL 2015

Sub. Code: 1001

**FELLOWSHIP IN CRITICAL CARE MEDICINE EXAMS
FINAL YEAR**

(Candidates admitted 2012-2013)

PAPER I - BASIC SCIENCES APPLIED TO CRITICAL CARE

Q.P. Code :231001

Time : Three hours

Maximum : 100 marks

I. Elaborate on :

(2 x 20=40)

1. Functional anatomy of the Nephron. Discuss in detail about Urine Formation.
2. Impulse generation in the Heart. Discuss briefly various mechanism of Arrhythmo genesis.

II. Write notes on:

(10 x 6 = 60)

1. Nor Adrenaline
2. Protein binding of drugs and the determinants of protein binding
3. Myxedema coma
4. Inspiratory muscles of respiration. Explain Respiratory Paradox
5. Hypomagnesemia
6. Internal Juglar Vein and its Clinical Anatomy
7. Broncho Alveolar Segments
8. Respiratory Acidosis and Compensatory mechanism
9. Inotropic Agents
10. Thiopentone Sodium and role in Status Epilepticus
