

PAPER CODE: 1250

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

P.G DIPLOMA EXAMINATIONS: MAY, 2022

DIPLOMA IN ANAESTHESIOLOGY (DA)

**PAPER – I
(BASIC SCIENCES)**

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

4 X 15 = 60

1. Describe in detail the anatomy and physiology of peripheral nerve conduction and explain the pharmacology of local anaesthesia agents.
2. Describe briefly anatomy of coronary circulation. What are the physiological factors that alter blood flow?
3. Discuss the various factors that affect the uptake and distribution of inhalation anaesthetics.
4. Define Functional Residual Capacity (FRC). Explain its importance and enumerate the factors affecting FRC during general anaesthesia.

Write a short note on the following:

4 X 10 = 40

5. Opioid receptors.
6. Heat and moisture exchange.
7. Double lumen tubes.
8. Principles of pulse oxymeter.
