

[LG 0215]

FEBRUARY 2015

Sub.Code: 1101

**DIPLOMA IN OPERATION THEATRE & ANAESTHESIA TECHNOLOGY/
CRITICAL CARE TECHNOLOGY**

FIRST YEAR

PAPER I - ANATOMY, PHYSIOLOGY & BIOCHEMISTRY

Q.P. Code : 841101

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain **Blood supply of heart** in detail.
2. Enumerate the Phases of **Menstrual Cycle** and Explain Uterine Changes taking place on it.
3. Describe **Citric Acid Cycle** in Detail. Add a note on its Energetics.

II. Write notes on:

(10 x 5 = 50)

1. Supinator.
2. Ureter.
3. Anaemia.
4. Hypertension.
5. Immunoglobulins.
6. Wald's Visual Cycle.
7. Classification of Proteins.
8. Bronchopulmonary segment of Right Lung.
9. Essential fatty acid.
10. Renal function test.

III. Short answers on:

(10 x 2 = 20)

1. Patella.
2. Relations of Bladder in Male.
3. Name the Muscles take origin from medial epicondyle of Humerus.
4. Anatomical Planes.
5. Clotting time.
6. Classification of Nervous System.
7. Clearance Test.
8. Mucopolysaccharides.
9. Protein Energy Malnutrition.
10. Name the Factors Affecting Enzyme Activity.
