

[LD 0212]

August 2013

Sub.code: 1101

**DIPLOMA IN OPERATION THEATRE & ANESTHESIA TECHNOLOGY &  
DIPLOMA IN CRITICAL CARE TECHNOLOGY & DIPLOMA IN SCOPE  
SUPPORT TECHNOLOGY**

**FIRST YEAR**

**PAPER I - ANATOMY, PHYSIOLOGY, BIOCHEMISTRY**

*Q.P. Code : 841101*

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3X10=30)**

1. Draw the structure of cell and label it. Explain in detail about various cell organelles.
2. Classify proteins. Add a note on structure of protein.
3. Draw and label the different parts of brain. Explain the different coverings and space of brain.

**II. Write short notes on:**

**(10X5=50)**

1. Types and functions of plasma protein
2. Types and functions of WBC
3. Rh incompatibility
4. Difference between kwashiorkor and marasmus
5. Vitamin D
6. Functions of Vitamin K
7. Cerebro - spinal fluid
8. Functions of synovial fluid
9. Lipoprotein
10. Type of muscle

**III. Short answers on :**

**(10X2=20)**

1. Name 2 example of ball & socket joints
2. Hemoglobin
3. Types of RNA
4. Phagocytosis
5. Packed cell volume (PCV)
6. Name 3 amino acids
7. Write the name of different lobe of right lung
8. Define granulocytosis
9. Beriberi
10. Steatorrhea

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