

**COURSE CODE-4060123**

**DIPLOMA EXAMINATION – JAN 2009**

**DMLT**

**HUMAN ANATOMY, PHYSIOLOGY AND CLINICAL  
BIOCHEMISTRY**

**(For Candidate Admitted from Calendar 2007 Onwards)**

**Time: 3 Hours**

**Max.Marks:75**

**Section-A**

**Answer all the Questions:**

**15 X 1 = 15**

1. Define Cell
2. Define Mitochondria
3. Define Respiration
4. Define Nephron
5. Define Neuron
6. Define Hormone
7. Define Bile
8. Define Glycogenesis
9. Define Glycosuria
10. Define Ketogenesis
11. Define Enzyme
12. Define Combined protein
13. Define Villus
14. Define Meninges
15. Define Serum

**Section-B**

**Answer any Five Questions:**

**5 X 6 = 30**

16. a. Describe structures and functions of cell

**(Or)**

b. Describe the functions of blood

17. a. Describe the functions of Digestive system

**(Or)**

b. Describe the functions of Respiratory system

18. a. Describe the structures of urinary system

**(Or)**

b. Describe the classifications of carbohydrates

19. a. Describe the classifications of lipids

**(Or)**

b. Describe the liver functions tests

20. a. Describe the classifications of enzymes

**(Or)**

b. Describe the types of protein.

**Section- C**

**Answer any Two Questions:**

**2 X 15 =30**

21. Differentiate the secondary sexual characters of male and female.

Write about spermatogenesis

22. Describe the Regulation of Blood sugar

23. Describe the properties and factors influence the actions of enzymes

24. Write about diabetes mellitus and glucose tolerance test

25. Describe the digestion and absorption of carbohydrates.