

**COURSE CODE-4060124**  
**DIPLOMA EXAMINATION – JAN 2009**  
**DMLT**

**HAEMATOLOGY AND BLOOD BANKING**

(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 Blood
2. Define Plasma
3. Define Serum
4. Define Haemoglobin
5. Write the normal haemoglobin value in adult
6. Write the normal WBC count in adult
7. Write the normal RBC count in adult
8. Write the normal value of plasma protein
9. Define Anaemia
10. Write the normal bleeding time
11. Write the normal clotting time
12. Define Universal donor
13. Define Blood transfusion
14. write the normal platelet count
15. Define Neutrophilia

**Section-B**

**Answer any Five Questions:**

**5 X 6 = 30**

16. a. Mention the name and uses of Routine haematological test

**(Or)**

- b. Mention the methods of blood collections and its uses

17. a. Describe the significant of blood groups

**(Or)**

- b. Write the indications of blood transfusion

18. a Describe the clinical importance of blood groups

**(Or)**

- b. Write the merits of blood transfusions

19. a. write the principle and uses of blood bank

**(Or)**

- b. Write the precautions of blood transfusion

20. a. Describe the mechanism of coagulation and its clinical importance

**(Or)**

- b. Mention the names of special haematological tests

**Section- C**

**Answer any Two Questions:**

**2 X 15 =30**

21. Define coagulation. Explain the mechanism and factors of coagulation
22. Mention the normal value and clinical disorders of any five routine haematological tests
23. Describe the names, functions of all blood cells
24. Name the various blood group. Explain the significant clinical importance and uses of blood group study
25. Define blood transfusion. Describe the merits , demerits and indications of blood transfusion .