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**3rd Sem / Branch : DMLT, DMLT ( For Speech and  
Hearing Impaired)**

**Subject : Clinical Haematology-I**

Time : 3 Hrs.

M.M. : 60

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Erythrocytes are formed in \_\_\_\_\_.  
a) RES                                      b) Liver  
c) Bone marrow                              d) Intestine
- Q.2 Aggregated mass of erythrocytes is called \_\_\_\_\_.  
a) Clumping                                      b) Rouleaux  
c) Shaking                                      d) Agglutination
- Q.3 The unit of MCH is \_\_\_\_\_.  
a) Picogram                                      b) Gram  
c) Femtolitre                                      d) Deciliter
- Q.4 Size of reticulocytes are \_\_\_\_\_ Larger than erythrocytes.  
a) 10%                                      b) 6%  
c) 8%                                      d) 12%

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- Q.5 Vitamin C \_\_\_\_\_ Iron absorption rate.  
a) Increase                                      b) Decrease  
c) Destroy                                      d) None of these
- Q.6 Expand MCV.  
a) Macro corpuscular volume  
b) Mean corpuscular volume  
c) Micro corpuscular volume  
d) Metro corpuscular volume

### SECTION-B

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Name any two factors on which ESR depends.
- Q.8 Define the term red cell Fragility.
- Q.9 Write the symptoms of anaemia.
- Q.10 Define LE cell.
- Q.11 Define Rouleaux.
- Q.12 In which anaemia MCH & MCV are high?

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## SECTION-C

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write the merits of the various methods of PCV estimation.
- Q.14 Explain haemolysis.
- Q.15 Write the reference range & interpretation of MCV.
- Q.16 Write a short note on iron deficiency anaemia.
- Q.17 Give the lab diagnosis of sickle cell anaemia.
- Q.18 Give the procedure of staining of reticulocytes.
- Q.19 Write the difference between LE cell and Tart cell.
- Q.20 Draw a labeled diagram of wester green's tube.
- Q.21 Define the term MCH, MCHC & MCV.
- Q.22 Write the principle & procedure of supravital stain.

## SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.24 What is anemia ? Discuss their detailed classification.
- Q.24 Give the principle, procedure & clinical significance of ESR estimation by wintrobe method.
- Q.25 Give the principle, procedure & interpretation of osmotic fragility test.