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Roll No. ....

**1st Sem / DMLT, DMLT  
( For Speech and Hearing Impaired)  
Subject : Introduction of Haematology**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

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

Q.1 Glacial acetic acid as a diluting fluid is used for counting of:

- |              |                 |
|--------------|-----------------|
| a) WBC       | b) RBC          |
| c) Platelets | d) All of these |

Q.2 The cell counted by neubauer counting chamber are:

- |              |                 |
|--------------|-----------------|
| a) RBC       | b) WBC          |
| c) Platelets | d) All of these |

Q.3 Blood is mixed with \_\_\_\_\_ for calculation of HP in sahil's method

- |                      |                  |
|----------------------|------------------|
| a) Drabkin's reagent | b) N/10 HCl      |
| c) Sodium            | d) none of these |

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Q.4 Normal range of WBC in blood is \_\_\_\_\_

- a) 7000-11000/cumm
- b) 100000-200000/cumm
- c) 1000-3000 / cumm
- d) None of these

Q.5 DLC stands for \_\_\_\_\_

- a) direct leukocyte count
- b) differential leukocyte count
- c) direct liquid count
- d) direct leukocyte concentrate

Q.6 The WBC pipette has graduations upto mark \_\_\_\_\_

- |        |        |
|--------|--------|
| a) 10  | b) 102 |
| c) 101 | d) 11  |

**SECTION-B**

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

Q.7 In case of WBC counting, the ratio of blood: diluting fluid is \_\_\_\_\_

Q.8 Expand TLC

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- Q.9 Neutrophils nucleus have \_\_\_\_\_ lobes.
- Q.10 RBC count \_\_\_\_\_ in anaemia.
- Q.11 Full form of PBF is \_\_\_\_\_.
- Q.12 Leishman stain is a \_\_\_\_\_ stain.

### SECTION-C

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

- Q.13 Give the mode of actions of EDTA anticoagulant.
- Q.14 Explain structure and uses of RBC and WBC pipette.
- Q.15 Write about the various glasswares used in haematology laboratory?
- Q.16 Write a note on working of vacutainers.
- Q.17 Describe the method for collection of capillary blood?
- Q.18 Write different stages of thrombopoiesis.
- Q.19 Define blood and given its function.
- Q.20 Enlist the various equipments used for venous blood collection.
- Q.21 Write a short note on leukopoiesis.
- Q.22 Write down about properties of good blood film.

### SECTION-D

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

- Q.23 Explain give the principle and types of Romanowsky stain. Explain anyone in detail.
- Q.24 Write a note on blood cell counter.
- Q.25 Write a note on different types of anticoagulants. Explain any two with their merits and demerits.