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Roll No.

221932

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%

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?

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.