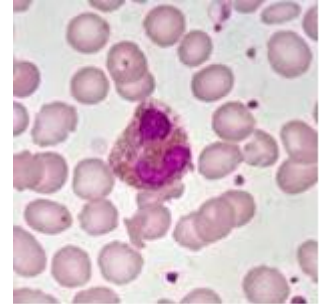


Subject: Question Bank of physiology

Q1-A/ In the following picture:

(6 marks)



- 1- Name this WBC
- 2- What is its primary function?
- 3- What % of circulating WBCs does it comprise?.....

Q1-B/ Identify the leukocyte by the following description: (5 Marks)

- | | |
|---|----------------|
| 1. Polymorphonuclear with fine pink staining granules | (a) Eosinophil |
| 2. Agranular with round nucleus, little cytoplasm | (b) Neutrophil |
| 3. Granules with affinity for red stain | (c) Monocyte |
| 4. Rarest white blood cell | (d) lymphocyte |
| 5. Agranular and phagocytic | (e) Basophil |

Q2-A/ What do Abnormal ESR test results mean? (Important) ? (3 Marks)

Q2-B/ write four factors affecting the increased and decreased ESR: (8 marks)

| | Increased ESR | Deceased ESR |
|----|---------------|--------------|
| 1- | | |
| 2- | | |
| 3- | | |
| 4- | | |

Q3/A-What is the relationship between blood volume and blood pressure? (3 Marks)

Q3/ B/ fill the following blanks with suitable words. (8 marks)

1. Monocytes are formed in _____ while plasma cells are formed in_____.
2. Vitamin K and Factor VIII deficiency are markers of_____.
3. Factor VIII activates _____while_____activates fibrinogen.
4. The red cells form stacks called _____ which settle faster.
5. Arterial blood pressure is directly dependent on _____and _____.

Q4-A /State the normal value (with units) for the following physiological tests? (10 Marks)

- a-White Blood Cells in adult females
- b- Pulse pressure:
- c- Basophils relative value:
- d- ESR in children
- E-Bleeding time:

Q4-B / Prolongation of bleeding time and whole blood clotting time are seen in: (5 marks)

1.
2.
3.
4.
5.

Q5 A/ write primary functions of platelet: (6 marks)

- 1.....
- 2.....
- 3.....

Q5-B/ Give the scientific name of the instruments which used for the following tests:(6 marks)

- a. ESR measurement.
- b. Blood pressure measurement.
- c. The slide used for RBC and WBC count.

Good Luck

Gawhar Ahmed Shekha