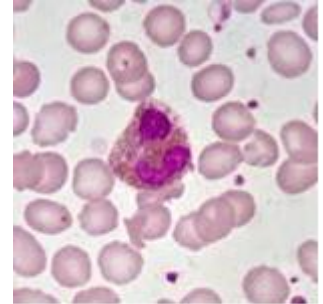


**Subject: Question Bank of physiology**

**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**