



- a) Leukocyte                      b) Thrombocyte  
c) Monocyte                      d) None of these
- Q.6 Eosinophiles secrete enzyme called  
a) Histamine                      b) Cytokine  
c) Myokine                      d) None of these
- Q.7 Haematology deals with  
a) Bacteria                      b) Virus  
c) Blood                      d) Fungus
- Q.8 Haemoglobin consist of two components.  
a) Haem+Globin                      b) Haem+Iron  
c) Haem+O<sub>2</sub>                      d) Iron+CO<sub>2</sub>
- Q.9 The automation system were developed in the  
a) 1970                      b) 1960  
c) 1980                      d) 1620
- Q.10 QA stands for  
a) Quality Accordance                      b) Quality Assurance  
c) Queue Assurance                      d) Quality Assay

### SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Haemoglobin is a conjugate protein synthesized inside the immature erythrocyte in the \_\_\_\_\_ ..

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- Q.12 The technique of counting of blood cell is known as \_\_\_\_\_
- Q.13 Give the normal range of WBC in Adults.
- Q.14 Expand RBC.
- Q.15 Give the name of enzyme secreted by basophiles.
- Q.16 The Globin molecule consists of \_\_\_\_\_ chains.
- Q.17 Expand PBF.
- Q.18 Which pipette is used for platelet counting?
- Q.19 RES stands for \_\_\_\_\_ .
- Q.20 Neutrophils nucleus have 2 to 5 lobes. (True/False)

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Discuss different types of Haemoglobin.
- Q.22 Write the causes of Leukocytosis.
- Q.23 Explain sources of error arise during RBC counting.
- Q.24 Give the characteristics of good blood film.
- Q.25 Write a short note on Haemoglobin.
- Q.26 Mention the composition of Giemsa stain.
- Q.27 Define hemocytometry & explain its type.

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