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221912

**1st Sem. / DMLT**  
**Subject : Basic Chemistry**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

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

Q.1 pH value of pure water is

- a) 5                                      b) 7
- c) 6                                      d) 8

Q.2 When proteins are breakdown \_\_\_\_\_ are formed

- a) Ozone                                      b) Molecules
- c) Amino acids                                      d) Current

Q.3 pH means

- a) Potential of hydrogen
- b) Presence of hydrogen

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c) Presence of hemoglobin

d) Power of hemoglobin

Q.4 The most abundant element in the universe is

- a) Hydrogen                                      b) Oxygen
- c) Carbon dioxide                                      d) Silicon

Q.5 Substance which increase the reaction rate is

- a) Metal                                      b) Catalyst
- c) Enzymes                                      d) Alloy

Q.6 RBC stands for

- a) Red Blood Cells
- b) Blood Cells
- c) White Blood Cells
- d) Random Blood Cells

**SECTION-B**

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

Q.7 What is meant by organic compounds?

Q.8 What is vacutainer.

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Q.9 Define Solution.

Q.10 What is photometry?

Q.11 Define Viscosity.

Q.12 Give two examples of inorganic compound.

### SECTION-C

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

Q.13 Write a short note on Osmosis

Q.14 Write a short note on blood collection.

Q.15 Write a short note on lipids.

Q.16 Write down the different types of Hazards.

Q.17 Why cleaning of glassware is important in laboratory.

Q.18 Write down the difference between hard water and soft water.

Q.19 What is the importance of Acid and base.

Q.20 What are the good qualities of water.

Q.21 Write a note on any one law of photometry.

Q.22 What are the characteristics of solutions.

### SECTION-D

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

Q.23 Give the classification of carbohydrates and their nutrition effect on human body?

Q.24 Explain about the following

a) Surface Tension

b) Luminous Intensity

Q.25 Write a detailed note on GLP?