No. of Printed Pages : 4 221912
Roll No. .....

1st Year /DMLT, DMLT
(For Speech and Hearing Impaired)
Subject:- Basic Chemistry

Time : 3Hrs. M.M. : 60

SECTION-A

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

Q.1 Viscosity of liquid _____ with increase in temperature.

a) increases b) decreases
c) remains unchanged d) none of the above

Q.2 _____ is the most abundant biologically important element in universe

a) H b) N
c) O d) C

Q.3 pH of pure water is

a) 0 b) 7
c) 14 d) 3

Q.4 Cellulose is an example of

a) protein b) lipid
c) carbohydrate d) fat

Q.5 Oxidation is

a) loss of electrons b) gain of electrons
c) loss of neutron d) none of the above

Q.6 _____ is the basic structural unit of protein

a) histones b) amino acids
c) peptides d) glucose

SECTION-B

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

Q.7 _____ is a universal solvent.

Q.8 _____ is a device that is used to measure light.

Q.9 Red blood cells formed in _____.

Q.10 Write one example of monosaccrides.

Q.11 NaOH is an acid/base (Tick the right one).

Q.12 Number of protons present in the nucleus of atom of an element is called _____

SECTION-C

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

Q.13 Write any four differences between solutions and colloids.

Q.14 Define photometry. Give any two applications of photometry.

Q.15 What are the types of water used in laboratory?

Q.16 Write any four safety measures needed in Chemistry lab.

Q.17 Write short note on blood collection.

Q.18 What is the importance of proteins.

Q.19 Explain two hazards in laboratory.

Q.20 Calculate number of electrons and number of neutron in $^{23}_{11}Na$.

Q.21 Differentiate between primary and secondary standard solutions.

Q.22 Name any four glasswares used in clinical laboratories.

SECTION-D

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

Q.23 i) Define viscosity. Write any two applications of viscosity.

ii) Explain the process of cleaning of glassware.

Q.24 Define any two of the following:-

i) base ii) osmosis

iii) luminous intensity iv) mass number

Q.25 i) Explain the functions of carbohydrates.

ii) Classify the lipids and explain its clinical importance.