

No. of Printed Pages : 4
Roll No.

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 The atomic mass of hydrogen is

- a) 2
- b) 3
- c) 4
- d) 1

Q.2 _____ is known as universal solvent.

- a) Mercury
- b) Water
- c) Chlorine
- d) All of these

Q.3 _____ are the materials that allow electricity to flow through them.

- a) metal
- b) conductor
- c) metalloids
- d) None of these

Q.4 The chemical formula of hydrogen peroxide is _____

- a) H_2O_2
- b) H_2O
- c) O_2
- d) H_2O_3

Q.5 _____ is the strong base

- a) NaOH
- b) OH^-
- c) Na
- d) None of these

Q.6 When acid and base react, it form

- a) Salt
- b) Water
- c) Both I & II
- d) None of these

SECTION-B

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

Q.7 What are carbohydrates?

Q.8 What is organic compound?

Q.9 What are conjugated proteins?

Q.10 Write about safety precautions.

Q.11 Due to _____ the taste of water is salty. (Calcium /Sodium)

Q.12 _____ are the chemical compounds that can dissolve in water & form Ions. (Electrolytes / non-electrolytes)

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(2)

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SECTION-C

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

- Q.13 What are bio safety levels.
- Q.14 Give the uses of distilled water.
- Q.15 What are chemical hazards?
- Q.16 Write the applications of photometry.
- Q.17 Differentiate between organic and inorganic compounds.
- Q.18 What is the difference between solution and colloids.
- Q.19 Give the different types of standard solutions.
- Q.20 What is GLP. Explain application of it.
- Q.21 Write the safety guidelines of Chemistry lab.
- Q.22 How does pH level affect the human body.

Q.24 What is pH scale. Explain choice of indicators for acid base titration.

Q.25 Explain the various laws of photometry.

SECTION-D

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

- Q.23 Give the basic chemistry of proteins and write its nutritional effect on humans?

(3)

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(3180)

(4)

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