

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Write all the four quantum no. with their symbols and their physical significance.
- Q.12 Define
i) atomic radii ii) ionization energy
- Q.13 Write atleast five physical properties for metals.
- Q.14 Explain electron cloud model for metallic bonding.
- Q.15 Write down any five characteristics of a good fuel.
- Q.16 Write down disadvantage of using hard water in boilers.
- Q.17 Explain the methods hot dipping and metal cladding for the prevention of corrosion.
- Q.18 Write down any five differences between thermoplastics and thermosetting plastics.

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Define hard water. Explain methods for the removal of temporary hardness of water.
- Q.20 i) Define fuels, Explain properties for the gaseous fuels CNG and LPG
ii) Explain solid, liquid, gaseous fuels with examples.

No. of Printed Pages : 2

188414

Roll No.

1st Sem, Level 3 / DVOC (Ref. & Air Cond., Medical Imaging Tech., Auto. Servicing, ITM, PT, SD, AMT, FP, EMS)

Subject : Applied Chemistry

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions. (10x1=10)

- Q.1 Magnetic quantum no. is denoted by _____
- Q.2 Atomic no. for Neon is 11 (T/F)
- Q.3 No. of groups in modern periodic table are _____
- Q.4 The property of metal to convert it into sheets is called _____
- Q.5 LPG is an example for _____ type of fuel.
- Q.6 Formula of producer gas is _____.
- Q.7 Bicarbonates of Ca and Mg are responsible for the hardness of water. (T/F)
- Q.8 Loss of electrons is called _____ (oxidation /reduction)
- Q.9 Bakelite is an example for _____ type of polymer. (thermoplastic/Thermosetting Plastic).
- Q.10 _____ is monomer is P.V.C.