

SECTION-B

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

- Q.11 Write the postulate of Bohr's Atomic Model.
- Q.12 Write a short note on d- block elements.
- Q.13 What do you understand by metallic bond?
- Q.14 Define covalent bond what are the Properties of calorific compounds ?
- Q.15 Define calorific value . What are the types of calorific value?
- Q.16 Define temporary hardness of water. What are the causes of temporary hardness?
- Q.17 Define corrosion. Explain chemical theory of corrosion.
- Q.18 write the preparation and uses of PVC.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Define fuel Discuss classification of fuel What are the characteristics of a good fuel?
- Q.20 (a) Define caustic embrittlement what are the disadvantages of caustic embrittlement in boilers?
b) Write a short note on hot dipping.

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DVOC (Level 3)

Sem 1st / Ref & Air Cond., Medical Imaging
Tech. Auto Serving, ITM, PT, SD, AMT, FP, EMs
Subject : Applied Chemistry

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

- Q.1 Name the quantum no. that determines the shapes of the orbital.
- Q.2 Define Aufbau's Rule
- Q.3 Alkali metals belong to _____ block elements (S/P)
- Q.4 Atomic radius of oxygen is _____ (less/more) than nitrogen.
- Q.5 Ionic compounds consist of _____ charged ions (same /opposite)
- Q.6 In a good fuel , the % of carbon is _____ (low / more)
- Q.7 PH of basic solution is _____ 7 (less / more)
- Q.8 The chemical composition of corrosion product of iron is _____
- Q.9 Bakelite is an example of _____ polymer.
- Q.10 The chemical formula of monomer of polythene.