

Basic-Chemistry-17103

QUESTION-BANK.

CHAPTER-1- TWO-MARKS.

- 1) Why is an atom electrically neutral?
- 2) Define-Atomic Number & Atomic mass number.
- 3) Define-Energy level & Sub energy level.
- 4) Define-electrovalency & covalency.
- 5) Why nucleus of an atom is positively charged?

CHAPTER 2-TWO MARKS

- 6) Define-conductor & Nonconductor.
- 7) Define – Ionisation & Electrolysis.
- 8) Define-Electrolyte & Electrodes.
- 9) State two differences between atom & ion.
- 10) Give difference between Isotopes & Isobar.

CHAPTER-1-THREE MARKS

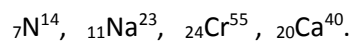
- 11) Compare proton, electron & neutron .w.r.to symbol, location, charge of an atom.
- 12) Write any three points difference between orbit & orbital.
- 13) Define ISOTOPES. Draw the structure of isotopes of Hydrogen.
- 14) State the valence electrons in ${}_{13}\text{Al}^{27}$, ${}_{17}\text{Cl}^{5}$, ${}_{15}\text{P}^{31}$ And State the nature of element

CHAPTER-2-THREEMARKS

- 15) What is conductor. State two difference between metallic & electrolytic conductor.
- 16) Define-atom , ion & electrolytic dissociation.
- 17) Define-Degree of ionization. Explain two factors affecting on degree of ionization.
- 18) Write any three points of Arrhenius theory of ionization.

CHAPTER-1-4MARKS.

19 Write orbital electronic configuration of following elements



20) Define orbital. Draw the shape of S & P orbital.

21) Define covalency. Explain formation of NITROGEN-molecule.

22) Define electrovalency. Explain formation of CaCl_2 molecule.

CHAPTER-2-4-MARKS.

23) State & explain faradays 1-law of electrolysis.

24) State four postulates of Bohr's theory of Atom

25) Explain with diagram the mechanism of electrolysis. _

26) Explain why sodium is electro positive and oxygen is electro negative?