

1st Unit test (Question Bank)

Class: All branches (First Sem K scheme)

Basic Science BSC (311305)

Unit IV. Chemical bonding

2 marks question

1. State the types of chemical bonds formed based on their mode of formation
2. List any four properties of ionic bond
3. Define valency and valence electrons
4. State how coordinate bond is generally represented
5. Define malleability and ductility
6. State the factors on which the strength of metallic bond depends
7. Metals have bright luster. Give reason
8. Define unit cell and crystal lattice

4 marks question

1. State any four points from the atomic theory of Acharya Kanada
2. Explain the formation of MgO molecule. Name the type of chemical bond
3. Explain how covalent bond is formed. Explain the formation of Cl₂ molecule
4. Explain intramolecular hydrogen bonding with example
5. Explain coordinate bond with suitable example
6. Differentiate between covalent bond and electrovalent(ionic) bond(4 points)
7. Describe the unit cell for simple cubic structure
8. Explain different types of covalent bonds with suitable example