

MULTIPLE CHOICE QUESTIONS:**Time: 20min.**

Name:

Faculty:

Subject:

Roll No.:

Mark (✓) the correct options of each questions in your answer sheet.[1×10=20]

- What type of change is rusting of iron?
a) Physical
b) Chemical
c) Nuclear
d) Reversible
- What is the mass of 1 mole of H₂O?
a) 16g, b) 18g, c) 20g, d) 22g
- How many molecules are in 0.5 moles of O₂?
a) 3.01×10²³, b) 6.02×10²³, c) 12.04×10²³, d) 1.5×10²³
- Which particle has no charge?
a) Proton, b) Neutron, c) Electron, d) Positron
- Maximum electrons in 3rd shell?
a) 2, b) 8, c) 18, d) 32
- Most electronegative element?
a) F, b) Cl, c) O, d) N
- Atomic number 19 belongs to:
a) Alkali, b) Alkaline, c) Halogen, d) Noble
- Bond formed by electron sharing?
a) Hydrogen, b) Covalent, c) Metallic, d) Ionic
- Boyle's Law relates:
a) P-V, b) V-T, c) P-T, d) n-V
- Surface tension unit?
a) N/m, b) J/mol, c) Pa, d) K

- Which solid conducts electricity?
a) Diamond, b) Graphite, c) NaCl, d) SiO₂
- In 2Na + Cl₂ → 2NaCl, sodium is:
a) Oxidized
b) Reduced
c) Neutralized
d) Displaced
- Oxidation number of Cr in K₂Cr₂O₇?
a) +2, b) +4, c) +6, d) +7
- pH of 0.1M HCl?
a) 1, b) 7, c) 13, d) 14
- Which is a weak acid?
a) HCl, b) H₂SO₄, c) CH₃COOH, d) HNO₃
- IUPAC name of CH₃COOH?
a) Methanoic
b) Ethanoic
c) Propanoic
d) Butanoic
- Main greenhouse gas?
a) O₂, b) N₂, c) CO₂, d) H₂
- Enzyme is a:
a) Carbohydrate, b) Protein, c) Lipid, d) Vitamin
- Who discovered the electron?
a) Rutherford
b) J.J. Thomson
c) Bohr
d) Chadwick
- Main ozone-depleting gas:
a) CO₂, b) CFCs, c) SO₂, d) NH₃