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HSSC-(P-I)-A/2024  
(For All Sessions)

Paper Code	6	4	8	1
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## Chemistry (Objective)

(Group-1)

RWP-1-24

Time: 20 Minutes

Marks : 17

Note: Write Answers to the Questions on the objective answer sheet provided. Four possible answers A, B, C and D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with Marker or Pen ink on the answer sheet provided.

- The mass of one mole of electron is:  
(A) 1.008 mg (B) 0.55 mg (C) 0.184 mg (D) 1.673 mg
- In organic phase color of Iodine is:  
(A) Brown (B) Purple (C) Colorless (D) Green
- Pressure remaining constant at which temp. The volume of a gas will become twice of it is at 0°C:  
(A) 546°C (B) 200°C (C) 546 k (D) 273 k
- Ionic crystals are characterized by:  
(A) Solubility in polar solvents (B) Low melting point (C) High vapour pressure (D) Conductivity in solid state
- Number of crystal systems are:  
(A) 7 (B) 6 (C) 5 (D) 4
- When 6 d orbital is complete, the entering electron goes to:  
(A) 7f (B) 7s (C) 7p (D) 7d
- Dipole moment of  $CS_2$  is:  
(A) 3.2D (B) 2.2D (C) 1.3D (D) Zero Debye
- The net heat change in a chemical reaction is same whether it is brought about in two or more different ways in one or more than one steps, it's known as:  
(A) Henry's law (B) Joule's principle (C) Hess's law (D) Law of conservation of energy
- Which of the following solution have  $P_H$  less than 7?  
(A) NaOH (B) NaCl (C)  $Ca(OH)_2$  (D) HCl
- The boiling point constant is the ratio of the elevation in boiling point to:  
(A) Molarity (B) Mole fraction of solvent (C) Molality (D) Mole fraction of solute
- Cathode reaction in the electrolysis of dil  $H_2SO_4$  with Pt electrodes is:  
(A) Oxidation (B) Reduction (C) Both oxidation & reduction (D) Neither oxidation nor reduction
- The unit of rate constant is the same as that of the rate of reaction in:  
(A) First order reaction (B) Second order reaction (C) Third order reaction (D) Zero order reaction
- Number of isotopes of tin are:  
(A) 8 (B) 10 (C) 6 (D) 11
- Which of the following is sublime?  
(A) Iodine (B) Calcium (C) NaCl (D) Benzene
- S.I unit of pressure is:  
(A)  $N.m^{-1}$  (B) Torr (C) mm of Hg (D) Psi
- Positive rays are also called as:  
(A) Cathode rays (B) Canal rays (C) X-rays (D) Magnetic rays
- Octet rule is not obeyed by the molecule:  
(A)  $NF_3$  (B)  $CF_4$  (C)  $PF_5$  (D)  $CO_2$

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پہلو سے لکھیں