

TEST NO. 5**CH NO. 1 TO 4 (1ST HALF BOOK)****CHEMISTRY**(Class 9th)-2020

Paper : (Objective type)

Time Allowed:- 15 Minutes

Maximum Marks:- 12

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 circle in front of A,B,C or D with Marker or Pen ink to each question on the answer sheet provided.

- 1.1 Mass of electron is
(a) 1.672×10^{-24} kg (b) 1.672×10^{-21} g (c) 9.106×10^{-28} kg (d) 9.106×10^{-28} g
2. Empirical formula of glucose is.
(a) CH₂O (b) CHO (c) C₂HO (d) C₂H₂O
3. How much mass is in one mole of water?
(a) 2 (b) 3 (c) 16 (d) 18
4. Who introduced the concept of orbit?
(a) J.J.Thomson (b) Rutherford (c) Bohr (d) Planks
5. The maximum electrons in M-Shell are.
(a) 2 (b) 8 (c) 18 (d) 32
6. Mendeleev's periodic table was based on.
(a) Electronic configuration (b) Atomic size
(c) Atomic number (d) Mass number
7. The distance between the nuclei of two carbon atom is.
(a) 154 Pm (b) 140 Pm (c) 110 Pm (d) 115 Pm
8. Electron negativity of carbon is.
(a) 2 (b) 1 (c) 26 (d) 4
9. After gaining one electron chlorine atom attains the electronic configuration of which noble gas?
(a) Helium (b) Neon (c) Argon (d) Krypton
10. Which bond present in C₂H₄ molecule?
(a) Single covalent bond (b) Double covalent bond (c) Triple covalent bond
(d) None of these
11. Which type of force is present in hydrogen bonding?
(a) Intermolecular force (b) Ionic force (c) Covalent force (d) Metallic force
12. Covalent bond involves the.
(a) Donation of electron (b) Acceptance electrons
(c) Sharing of electrons (d) Repulsion of electrons

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D					
1	(A)	(B)	(C)	(D)	4	(A)	(B)	(C)	(D)	7	(A)	(B)	(C)	(D)	10	(A)	(B)	(C)	(D)	13	(A)	(B)	(C)	(D)
2	(A)	(B)	(C)	(D)	5	(A)	(B)	(C)	(D)	8	(A)	(B)	(C)	(D)	11	(A)	(B)	(C)	(D)	14	(A)	(B)	(C)	(D)
3	(A)	(B)	(C)	(D)	6	(A)	(B)	(C)	(D)	9	(A)	(B)	(C)	(D)	12	(A)	(B)	(C)	(D)	15	(A)	(B)	(C)	(D)

نوٹ: ہمعروضی سوال تانے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A,B,C,D کو پین کی سیاہی یا مارکر سے اس طرح پھیر کرین کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے

زیادہ دائروں کو پھیر کرنے یا کاٹ کر پھیرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

TEST NO.5
CH NO. 1 TO 4 (1ST HALF BOOK)

CHEMISTRY
Paper: V (Essay Type)

(Class 9th)-2020

Time Allowed: 1:45 Hours
Maximum Marks: 48

(PART-I)

2. Write short answers to any FIVE (5) questions: 10

- (i) Name the elements represented by the following symbols W, Ba, Hg and Na.
- (ii) Soft drink is mixture while water is compound. Give the reason.
- (iii) What is difference between cation and anion?
- (iv) Write difference between Homoatomic and Heteroatomic Molecules.
- (v) Write four characteristics of cathode rays.
- (vi) Write properties of Neutrons.
- (vii) Write electronic configuration of chloride ion Cl⁻
- (viii) What is the difference between Mendeleev's periodic law and Modern Periodic law?

3. Write short answers to any FIVE (5) questions: 10

- (i) What are two defect in Rutherford's Atomic model?
- (ii) When does an electron emit or absorb energy?
- (iii) Differentiate between shell and subshell and give example.
- (iv) Write electronic configuration of Neon and Beryllium.
- (v) Why size of atom decrease in a period?
- (vi) Define Ionization Energy?
- (vii) What is meant by periodic function?
- (viii) How are elements arranged in 4th period?

4. Write short answers to any FIVE (5) questions: 10

- (i) Why elements are called s and p block elements?
- (ii) Why ionization energy of Na is less than Mg.
- (iii) Define electronegativity. Write electronegativity of Nitrogen, Oxygen and Fluorine.
- (iv) Magnesium has electronic configuration 2,8,2. Why magnesium tend to lose electron?
- (v) What is the difference between duplet rule and octet rule?
- (vi) Difference between lone pair and bond pair.
- (vii) Difference between polar and non-polar covalent bond.
- (viii) Why metal are good conductors of electricity?

(PART - II)

Note: - Attempt any TWO questions.

5. a) Write five difference between compound and mixture. 4
b) Describe the Rutherford's Atomic Model. 5
6. a) Explain five important branches of chemistry. 4
b) What is isotope? Describe the isotopes of hydrogen with diagram. 5
7. a) What do you about ionic compounds and write their important properties. 4
b) How a coordinate covalent bond is formed? Explain with example. 5