

TEST NO. 4**CH NO. 4****CHEMISTRY****Paper : (Objective type)****(Class 9th)-2020****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.

Q. No.	QUESTIONS	(A)	(B)	(C)	(D)
1.	Covalent bond involves the.	Donation of electrons.	Acceptance of electrons	Sharing of electrons	Repulsion of electrons.
2.	After gaining one electron, chlorine atom attains the electronic configuration of which noble gas?	Helium	Neon	Argon	Krypton
3.	The bond formed between two non-metals is expected to be.	Covalent	Ionic	Coordinate covalent	Metallic
4.	How many electrons are involved in triple covalent bond?	2	4	6	8
5.	Which type of covalent bond is present in nitrogen molecule?	Single covalent bond	Double covalent bond	Triple covalent bond	Metallic bond
6.	Which bond present in C ₂ H ₄ molecule?	Single covalent bond	Double covalent bond	Triple covalent bond	None of these
7.	Methane is an example of.	Single covalent bond	Double covalent bond	Triple covalent bond	Dative covalent bond
8.	Which one is polar molecule?	O ₂	Cl ₂	HCl	H ₂
9.	Which type of force is present in hydrogen bonding?	Intermolecular force	Ionic force	Covalent force	Metallic force
10.	The boiling point of sodium chloride is.	1413 °C	1513 °C	1613 °C	1713 °C
11.	Which one is the non-polar molecule among these?	HCl	HNO ₃	H ₂	H ₂ O
12.	Which one of the following is an electron deficient molecule?	NH ₃	BF ₃	N ₂	O ₂

A B C D**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: معروضی سوال نامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A, B, C, D کو بیچن کی سیاہی یا مارکر سے اس طرح ہڈ کرین کر سیاہی دائرے سے باہر نہ لکھیں۔ ایک سے زیادہ دائروں کو ہڈ کرنے یا کاٹ کر ہڈ کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

TEST NO.4

CH- 4

CHEMISTRY

(Class 9th)-2020

Time Allowed: 1:45 Hours

Paper: I (Essay Type)

Maximum Marks: 48

(PART-I)

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

- (i) Why noble gases are not reactive?
- (ii) Magnesium has electronic configuration 2,8,2. Why magnesium tend to lose electron?
- (iii) Why do atoms form chemical bonds?
- (iv) What is meant by octet rule?
- (v) What is the difference between duplet rule and octet rule?
- (vi) Why does sodium form a chemical bond with chlorine?
- (vii) Which type of covalent bond is formed in nitrogen molecule?
- (viii) Which type of covalent bond is formed in N₂ gas?

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

- (i) Define single covalent bond and give one example
- (ii) Define a bond pair and long pair of electrons.
- (iii) Differentiate between donor atom and acceptor atom.
- (iv) Define polar covalent bond. Give one example.
- (v) Differentiate between polar covalent and non-polar covalent bond.
- (vii) Why does a covalent bond become polar?
- (viii) What is meant by Metallic bond?

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

- (i) Ice floats on the surface of water. Give reason.
- (ii) Write specific properties of Ionic compounds.
- (iii) Ionic compounds are solids. Explain.
- (iv) Write two properties of covalent compounds.
- (v) What is meant by co-ordinate covalent compounds?
- (vi) Why metal are good conductors of electricity?
- (vii) Define hydrogen bonding and give example.
- (viii) Define double covalent bond and give example.

(PART - II)

Note: - Attempt any TWO questions.

5.
 - (a) Describe properties of Ionic compounds. **5**
 - (b) What is chemical bond? Why do atoms form chemical bond? **4**
6.
 - (a) What is meant by Covalent Bond? Explain its three types with examples. **5**
 - (b) What are covalent compounds? Describe properties of covalent compounds. **4**
7.
 - (a) Write down the properties of metals. **5**
 - (b) How a coordinate covalent bond a formed? Explain with examples. **4**