

CH- NO. 1**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.

Q. No.	QUESTIONS	(A)	(B)	(C)	(D)
1.	Industrial chemistry deals with the manufacturing of compounds.	In the laboratory	On the micro scale	On commercial scale	Economic scale
2.	The study of manufacturing of chemical compounds on commercial scale is called.	Organic chemistry	Industrial chemistry	Environmental chemistry	Nuclear chemistry
3.	Which one the following element is found in much abundance in earth's crust.	Oxygen	Aluminium	Silicon	Iron
4.	The number of naturally occurring elements is.	92	98	108	114
5.	Mass of electron is.	1.672×10^{-24} kg	1.672×10^{-24} g	9.106×10^{-28} kg	9.106×10^{-8} g
6.	Which of the following is a molecular mass of O ₂ in amu.	32 amu	1.92×10^{-25} amu	53.12×10^{-24}	192.64×10^{-25} amu
7.	Empirical formula of glucose is.	CH ₂ O	CHO	C ₂ HO	C ₂ H ₂ O
8.	Molecular mass of water is.	18 amu	18 g	18mg	18 kg
9.	The molecular mass of H ₂ SO ₄ is.	98 g	98 amu	9.8 g	9.8 amu
10.	The removal of electron from an atom give rise to.	Cation	Anion	Molecule	Molecular ion
11.	All of the following are triatomic molecules except.	H ₂	O ₃	H ₂ O	CO ₂
12.	How much mass in one mole of water?	2	3	16	18

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 بچھن کی سیانی یا مار کر سے اس طرح پُر کریں کہ سیانی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو پُر کرنے یا کٹ کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

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TEST NO. 1

CH-1

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) Define chemistry explain any two branches of chemistry.
- (ii) Give two example for applications of Biochemistry.
- (iii) Differentiate between Nuclear chemistry and environmental chemistry.
- (iv) Differentiate between organic and inorganic chemistry.
- (v) Differentiate between matter and mixture.
- (vi) Write difference between physical and chemical properties.
- (vii) Define valency. Write the valency of Na.
- (viii) Name the elements represented by the following symbols W, Ba, Hg and Na.

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

- (i) Soft drink is mixture while water is compound. Give the reason.
- (ii) Define Homogenous mixture and give example.
- (iii) For an element $Z=92$, $A = 238$ calculate the number of neutron in it.
- (iv) Define atomic mass unit.
- (v) Define empirical formula. How is it determined?
- (vi) Write chemical formula of Aluminium sulphate and Calcium phosphate.
- (viii) Write the formulae of sulphuric acid and sugar.

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

- (i) Calculate the molecular mass of Nitric Acid.
- (ii) Write difference between Anion and Cation.
- (iii) Difference between Molecule and Molecular ion.
- (iv) Explain free radical is formed?
- (v) What is difference between ion and free radicals?
- (vi) Write difference between Homolatomic and Heteroatomic molecules.
- (vii) Define Avogadro's number.
- (viii) Calculate the gram molecules in 40 g of phosphoric acid.

(PART - I I)

Note: - Attempt any TWO questions.

Q.5 a) Explain any five important branches of chemistry. 5

b) Write Four difference between compound and mixture. 4

Q.6 a) Write down any three difference between Atomic Number and Mass Number. 5

b) Explain types of molecules in detail and give example. 4

Q.7 a) Write down significance of chemical formula. 5

b) Write down four difference between molecule and ion. 4