

CHEMISTRY TEST ANSWERSHEET CLASS XI (AUGUST 2023)

Q NO	CHAPTER	HEADING OF QUESTION	CORRECT ANSWER	EXPLANATION	% OF STUDENTS ATTEMPTED CORRECTLY
01	SOME BASIC CONCEPT OF CHEMISTRY	Which of the Following Statements about a Compound is Incorrect One?	C	A compound retains physical properties of its associated constituent elements	58.55
02	SOME BASIC CONCEPT OF CHEMISTRY	Boron exists as Two Stable Isotopes as ^{10}B (19%) and ^{11}B (81%). Find out the Average Atomic Weight of Boron as per the Periodic Table.	D	10.5	62.60
03	SOME BASIC CONCEPT OF CHEMISTRY	Many countries express temperature in Fahrenheit Scale for expressing temperature of atmosphere. If temperature in any such country is measure 41 F, what will be the temperature in Celsius Scale and what do you expect HOT or COLD atmosphere in that country.	A	5 Degree, Cold	71.10
04	SOME BASIC CONCEPT OF CHEMISTRY	Assertion: In a chemical reaction the sum of masses of the reactants and the products remains unchanged Reason: According to Law of Conservation of Mass Matter is neither created Nor destroyed..	A	Assertion and Reason are True	72.10
05	SOME BASIC CONCEPT OF CHEMISTRY	Assertion: 22.40 Ltrs of Sulphur Dioxide at STP weighs 64 Grams. Reason: 1 mole of Sulphur Dioxide is 64 Grams Given : Atomic Weight of Sulphur = 32 amu Atomic Weight of Oxygen = 16 amu	A	NO EXPLANATION	54.20
06	STRUCTURE OF ATOM	Assertion : The position of an electron can be determined exactly with the help of an electron microscope. Reason : The product of uncertainty in the measurement of its momentum and the uncertainty in the measurement of the position cannot be less than a finite limit.	D	Assertion is False but Reason is True	64.30
07	STRUCTURE OF ATOM	Principal, Azimuthal and magnetic quantum numbers are respectively related to:	A	Size, Shape and Orientation	71.10
08	STRUCTURE OF ATOM	According to Aufbau principle a new electron enters the orbitals when:	A	(n+l) is minimum	17.30
09	STRUCTURE OF ATOM	An electronic transition is inversely related to	C	Energy levels difference involved in the transition	58.20
10	STRUCTURE OF ATOM	5 d orbital and their shape: Identify the pair of d orbitals - On axis and In between axis	B	On axis - $d_{x^2-y^2}$ and d_{z^2} , In between axis - d_{xy} , d_{yz} , d_{zx}	56.90