**Q1- Vertical columns are called as -**

A) groups

B) periods

C) rows

D) none

A

**Q2- How many groups are there in the periodic table?**

A) 18

B) 8

C) 28

D) 17

A

**Q3- Which group was added in Mendleev's periodic table?**

A) I group

B) VIII group

C) zero group

D) V group

C

**Q4- What is the special name given to the 17th group?**

A) chalcogens

B) halogens

C) alkali metals

D) inert gases

B

**Q5- Chalcogens are ?**

A) ore forming

B) salt forming

C) hydroxide forming

D) None

A

**Q6- Atomic mass is equal to the sum of \_\_\_\_.**

A) P+N

B) P+E

C) Number of Protons

D) Number of neutrons

A

**Q7- Name the most electronegative element of Periodic table ?**

A) Chlorine

B) Bromine

C) Fluorine

D) Iodine

C

**Q8- Electron affinity is \_\_\_\_.**

A) always negative

B) always positive

C) can be negative or positive

D) zero

C

**Q9- Ionisation energy is measured in -**

A) KJ/g

B) J/mole

C) KJ/mol

D) none

C

**Q10- Out of Mg and Al which has higher ionisation energy?**

A) Mg

B) Al

C) Both have same

D) None

B

**Q11- Write valency of Iron ?**

A) 2

B) 3

C) 0

D) 2,3

D

**Q12- Out of F and Cl, which has higher electron affinity ?**

A) Cl

B) F

C) Both have same

D) none

A

**Q13- Upto which element, the law of octaves was found to be applicable -**

A) Oxygen

B) Calcium

C) Cobalt

D) Potassium

B

**Q14- According to Mendeleev's Periodic law, the elements were arranged in Periodic table according to -**

A) Increasing atomic number

B) decreasing atomic number

C) Increasing atomic masses

D) decreasing atomic masses

C

**Q15- In Mendeleev's Periodic table, gaps were left for many elements. Pick any one out of them.**

A) Germanium

B) Chlorine

C) Oxygen

D) Silicon

A

**Q16- What relation do Ar and Ca have?**

A) isotopes

B) isoelectronic

C) isobars

D) isotones

C

**Q17- Isotopes possess -**

A) same number of Protons

B) same number of neutrons

C) same mass number

D) none

A

**Q18- On which factor does ionisation energy depend?**

A) Size of an atom

B) nuclear charge

C) electronic configuration

D) all

D

**Q19- Pick out the odd one -**

A) Argon

B) neon

C) Barium

D) helium

C

**Q20- Which is biggest in size -**

A) Lithium

B) sodium

C) Magnesium

D) potassium

D

**Q21- Which out of them is not a halogen?**

A) Fluorine

B) Chlorine

C) Iodine

D) Germanium

D

**Q22- The standard element chosen for relative atomic mass is \_\_.**

A) Carbon-12

B) Hydrogen-1

C) chlorine -35

D) Iodine -121

A

**Q23- Electronegativity depends upon ?**

A) size of an atom

B) nuclear charge on atom

C) electrons in an atom

D) all

D

**Q24- The order of ionisation of alkali group follows which order?**

A) Li>Na>K>Rb>Cs

B) Li<Na>K<Rb>Cs

C) Li<Na<K<Rb<Cs

D) Li>Na<K>Rb<Cs

D

**Q25- Most electronegative element in group 2 is \_\_.**

A) Be

B) Mg

C) Al

D) Ca

A

**Q26- Which of the given elements A,B,C,D and E with atomic numbers 2,3,7,10 and 30 belong to the same period?**

A) A,B,C

B) B,C,D

C) A,D,E

D) B,D,E

B

**Q27- The elements A,B,C,D,E have atomic numbers 9, 11, 17, 12and 13. Which elements belong to the same group?**

A) A and B

B) B and D

C) A and C

D) D and E

A

**Q28- Where would you locate the element with electronic configuration 2,8 in modern periodic table?**

A) group 8

B) group 2

C) group 18

D) group 16

C

**Q29- An element which is an essential constituent of all organic compounds belongs to \_\_\_.**

A) group 1

B) group 14

C) group 15

D) group16

B

**Q30- Which one will have the maximum number of valence electrons ?**

A) Na

B) Al

C) Si

D) P

D

**Q31- What type of oxide would eka-Aluminium form ?**

A) EO₃

B) E₃O₂

C) E₂O₃

D) EO

C

**Q32- The element with atomic number 14 is hard and forms acidic oxide and a covalent halide . To which of the category does it belong?**

A) metal

B) Metalloid

C) Non metal

D) Left hand side element

B

**Q33- The law of octaves is given by \_\_\_.**

A) Mendeleev

B) Newlands

C) Bohr

D) Mosley

B

**Q34- The modern periodic table is given by \_\_\_\_.**

A) Mendeleev

B) Newlands

C) Bohr

D) Mosley

C

**Q35- Which element was not known when Mendeleev proposed the classification?**

A) Hydrogen

B) Sodium

C) Copper

D) Germanium

C

**Q36- Three elements B,Si and Ge are \_\_\_.**

A) Metals

B) Non metals

C) Metalloids

D) Metal,non metal ,metalloid respectively

C

**Q37- Arrange the following elements in order of their increasing non metallic character Li,O,C,Be ,F?**

A) F<O<C<Be<Li

B) Li<Be<C<O<F

C) F<O<C<Be<Li

D) F<O<Be<C<Li

C

**Q38- Arrange the following elements in order of their increasing metallic character Na,Si,Cl,Mg,Al ?**

A) Cl>Si>Al>Mg>Na

B) Na>Mg>Al>Si>Cl

C) Na>Al>Mg>Cl>Si

D) Al>Na>Si>Ca>Mg

B

**Q39- Which of them doesn't loose electrons easily?**

A) Na

B) F

C) Mg

D) Al

B

**Q40- Which will loose electron easily?**

A) Mg

B) Na

C) K

D) Ca

C

**Q41- Which out of them has the biggest radii?**

A) Na

B) Mg

C) K

D) Ca

C

**Q42- Which of the following gives the correct order of atomic radii of O, F and N?**

A) O,F,N

B) N,F,O

C) O,N,F

D) F,O,N

D

**Q43- Which of the following, in their outermost shell has 2 valence electrons?**

A) K shell

B) L shell

C) M shell

D) N shell

A

**Q44- Element X forms the chloride with the formula XCl2 ,which is a solid with a high melting point. X is most likely to be in the same group of periodic table as -**

A) Na

B) Mg

C) Al

D) Si

B

**Q45- Which set out of them shows the correct sequence of metallic characters?**

A) Be ,Mg,Ca

B) Na,Li,K

C) Mg,Al,Si

D) C,O,N

A

**Q46- On moving from left to right in a periodic table, size of an atom ?**

A) Increases

B) Decreases

C) Does not change

D) First increases then decreases

B

**Q47- Which of the following elements will form acidic oxide?**

A) with atomic number 7

B) with atomic number 3

C) with atomic number 12

D) with atomic number 19

D

**Q48- Which statement is correct for left to right movement in periodic table?**

A) elements become less metallic from left to right

B) number of valence electrons increases

C) atoms lose electrons easily

D) oxides become more acidic

C

**Q49- In periodic table, Helium is placed at \_\_\_**

A) top left corner

B) bottom right corner

C) bottom left corner

D) top right corner

D

**Q50- The number of electrons in valence shell is equal to -**

A) Atomic mass

B) Group number

C) period number

D) Atomic volume

B