

Fr. Agnel School

Waliv, Vasai (E)

1st Unit Test Exam

Std. : 10th

Sub : Science- 1

Total Marks : 20

Q.I. Choose the correct option and rewrite the statement.

(5)

1. In which block of modern periodic table are the non- metals found?
a. s- block b. p-block c. d- block d. f- block
2. The reaction $CuSO_4(aq) + Zn(s) \rightarrow ZnSO_4(aq) + Cu(s)$ is a _____ reaction.
a. displacement b. combination
c. double displacement d. decomposition
3. Rusting of iron is a fast reaction.
a. True b. False
4. The law of Octaves was given by _____.
a. Dobereine b. Newlands c. Mendeleevs d. Moseley
5. Halogens belong to group _____ in the modern periodic table.
a. 15 b. 16 c. 17 d. 18

Q.II Answer the following questions. (any 2)

(4)

1. Atomic radius goes on decreasing while going from left to right in a period. – Give reason.
2. Explain the term Endothermic reaction with example.
3. Define: a. Reduction reaction
b. Displacement reaction

Q.III. Answer the following question. (Any 2)

(6)

1. An element has its electronic configuration as 2,8,8,2. Answer the following questions.
a. What is the atomic number of this element?
b. What is the group of this element?
c. To which period does this element belong?
2. Give scientific reason- It takes time for pieces of Shahabad tiles to disappear in HCl, but its powder disappears rapidly.
3. Give three demerits of Mendeleev's periodic table.

Q.IV. Answer the following question. (Any 1)

(5)

1. Study the following chemical reaction and answer the following questions. $BaSO_4(aq) + K_2CrO_4 \rightarrow BaCrO_4 \downarrow + K_2SO_4$
a. Identify the type of reaction.
b. Define the given type of reaction.
c. Write the reactant participated in chemical reaction.
d. Write the name of the precipitate.
e. What was the colour of the precipitate formed?
2. a. What is meant by valency? (1)
b. Write a short note on: Position of isotopes in the Mendeleev's and the modern periodic table. (4)
