



VIVEK TUTORIALS

VIII (New) (English)

(Special Test)

General Science-(13)

DATE: 17-03-19

TIME: 1 Hr

MARKS: 50

SEAT NO:

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Q.1 Fill in the blank and rewrite the completed statements 3

- 1 During a change, composition of original substance changes to form new substance.
- 2 During a change, composition of original substance changes to form new substance.
- 3 The chemical composition of Shahabad tile is mainly

Q.2 Find the odd one out 2

- 1 Ripening of mango, melting of ice, boiling of water, dissolution of salt in water.
- 2 Combustion of fuels, Softening of hard water, Photosynthesis, Cleaning Shahabad tile with dilute hydrochloric acid.

Q.3 Find co-related terms 1

- 1 Formation of glucose : Photosynthesis :: Breaking of glucose : ?

Q.4 Match the pair 2

1	<table><tr><th>Column-A</th><th>Column-B</th></tr><tr><td>i) Sodium chloride</td><td>a) Reactant in combustion process</td></tr><tr><td>ii) Water</td><td>b) Chemical change</td></tr><tr><td></td><td>c) Ionic bond</td></tr><tr><td></td><td>d) Covalent bond</td></tr></table>	Column-A	Column-B	i) Sodium chloride	a) Reactant in combustion process	ii) Water	b) Chemical change		c) Ionic bond		d) Covalent bond
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Q.5 State True or False 2

- 1 Respiration is a continuously occurring ecological process.
- 2 Combustion of fuel is a fast and irreversible chemical change.

Q.6 Name the following 2

- 1 Name the two types of chemical bonds.
- 2 Name the two types of chemical bonds.

Q.7 Solve Numerical problems/ Write Equation 4

- 1 Respiration.
- 2 Combustion of fuels.

Q.8 Write Short Notes 4

1	Ionic bond.	
2	Manmade chemical changes	
Q.9	Write equation	2
1	Respiration.	
Q.10	Distinguish between	2
1	Ionic Bond & Covalent Bond (Minimum 4 points).	
Q.11	Give scientific reasons	2
1	Noble gases do not form any chemical bond.	
Q.12	Give examples	2
1	Formation of Covalent bond.	
Q.13	Explain the statement/ law/ definition.	6
1	Natural chemical changes.	
2	Manmade chemical changes.	
Q.14	Explain with the help of examples	3
1	Explain the formation of Ionic bond.	
Q.15	Answer the following	3
1	Fill blanks in paragraph The chemical composition of Shahabad tile is mainly carbonate. During its cleaning with the upper layer of the tile reacts with hydrochloric acid and three products are formed. One of them is, which being soluble in water, gets washed away with water. The second product is carbon dioxide; its bubbles mix up in air. The third product, water mixes with water.	
Q.16	Draw a well labeled diagram and explain.	5
1	Explain bond formation in NaCl ? What is the type of the bond?	
Q.17	Classify the following	5
1	Classify the following into natural and man-made chemical changes. [Respiration, Softening of hard water, Cleaning Shahabad tile with dilute hydrochloric acid, Melting of ice, Combustion of fuels, Photosynthesis, Ripening of fruit, darkening of a cut potato]	