

1<sup>st</sup> SEMESTER EXAMINATION, 2022 -2023

CLASS 7

CHEMISTRY

SECTION - A

MARKS 25

TIME : 1½ HRS.

(Note - All questions are compulsory)

I. Choose the correct option.

(5)

1) A substance which cannot sublime is

- a) Iodine                      b) Camphor                      c) Sugar                      d) Dry ice

2) Example of a homogeneous mixture

- a) tap water                      b) distilled water                      c) Sand and water                      d) Water and oil

3) Burning is a

- a) Slow process                      b) Fast change                      c) Natural process                      d) None of these

4) A set of mixture is

- a) ink, honey, ice cream, milk                      b) Tap water, gold, common Salt, alloy  
c) Milk, honey, alloy                      d) Butter, petroleum, tap water, iron

5) The compound rust is a hydrated oxide of

- a) Copper                      b) Aluminum                      c) Iron                      d) Gold

II. State whether the following are physical or chemical change.

(5)

- a) Glowing of a bulb                      b) Boiling of water  
c) Heating of water                      d) Shaping of piece of glass  
e) Cutting of wood                      f) Digestion of food  
g) Respiration in living beings                      h) Burning of wood  
i) Slaking of lime                      j) Photosynthesis

III. Write true or false against the following statements.

(5)

- a) Earthquake is a desirable change.  
b) Melting of ice is a chemical change.  
c) Cutting of paper into pieces is a chemical change.  
d) Rusting of iron is a physical change.  
e) Burning of sugar is a temporary change.

## SECTION – B

(Attempt any 2 questions)

IV.

- a) Define sublimation with example. (1)
- b) What do you observe when a spoon of sugar is heated in a pan. (2)
- c) Differentiate between the evaporation and boiling. (Any 2 points). (2)

V.

- a) Define homogeneous mixture with example. (1)
- b) Write any three characteristics of particles of matter. (2)
- c) Differentiate between the mixture and compound. (Any 2 points). (2)

VI.

- a) Define periodic change with example. (1)
- b) Write any 4 methods of separation. (Names only) (2)
- c) Differentiate between physical change and chemical change. (Any 2 points) (2)

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