

Grade: VIII
Time: 2 Hours

SCHOOL
Assessment – II

Chemistry
M.M: 40

Instructions:

Read the question paper carefully. Write neatly and legibly. Do not over write. Pay special attention to spelling. Read the answers before submitting the answer sheet.

Section A

(Attempt all questions)

I. Tick the correct answer:

[4]

1. Which of the following is not an amorphous form of carbon?
- a) Coal b) Charcoal
c) Diamond d) Lamp black
2. The density of water is maximum at :
- a) 0 °C b) 4 °C
c) -4°C d) -1°C
3. The metals which can be used for producing hydrogen gas by reacting them with steam are :
- a) Mg, Zn, Fe b) Mg, Cd, Sn
c) Mg, Na, Zn d) Zn, Sn, Cu
4. Magnesium burns with a :
- a) Dazzling green flame b) Yellow flame
c) Red flame d) Dazzling white flame

II. Fill in the blanks: -

[4]

1. Radicals made up of only one kind of atoms are known as _____ radical.
2. _____ zinc contains copper as impurity.
3. _____ is a hardest substance known.
4. The volume of water _____ during sodification.

III. Write true or false. Rewrite the false statement correctly: [4]

1. Hydrogen peroxide is represented by the formula H_2O_2 .
2. Pure water has good taste.
3. Hydrogen is absorbed by heated palladium.
4. Wood charcoal is also known as animal charcoal.

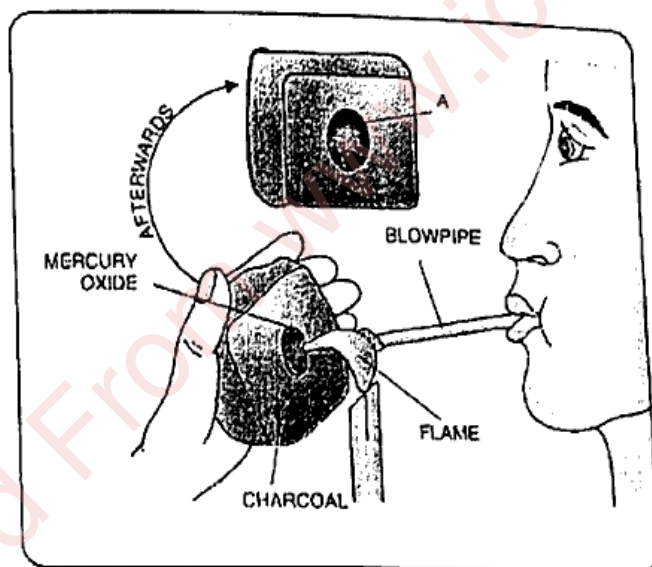
IV. Match the following:-

[5]

- | | |
|---------------------|-------------------|
| 1. Thiosulphate | a) drinking water |
| 2. Potable water | b) MnO_2 |
| 3. Covalent hydride | c) PO_4 |
| 4. Phosphate | d) $S_2O_3^{-2}$ |
| 5. Catalyst | e) NH_3 |

V. Answer the following questions with respect to charcoal cavity test:

[5]



1. What is A?
2. Name the place where mercuric oxide is placed.
3. What do you observe in this experiment?
4. What is the function of blowpipe?
5. Give the chemical reaction taking place.

Section B

(Attempt any six questions)

- VI. Define: -**
- (i) Allotropy

- (ii) Chemical formula

[3]

(iii) Exothermic reactions

VII. What is activated charcoal? [3]

VIII. How water is purified for supply in cities? [3]

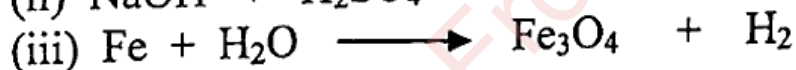
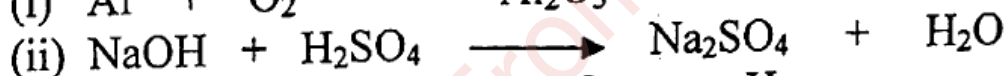
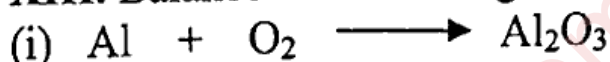
IX. Write down an equation in which hydrogen reduces metal oxides to their respective metals. [3]

X. (i) How is hydrogen prepared for its use in industries? [3]
(ii) Graphite conducts electricity whereas diamond does not. Explain.

XI. (i) Write chemical formula of Ferric sulphate [3]
(ii) Explain about decomposition reaction.

XII. (i) Name two water borne diseases. [3]
(ii) How does fishes and aquatic animals survive when the pond gets converted with thick ice?

XIII. Balance the following reactions: [3]



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