The Brigade School Unit Test (2020-21)

Total points 12/15

Class : 10
Marks :15

Subject : Chemistry

Paper 1: Objective

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0 of 0 points

Name : *

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Class/Section : *

10 A

School : *

TBSG

I. Choose the Correct Answer :(10 X 1= 10)

12 of 15 points

✓ 1. If the molecular formula of an organic compound is $C_{10}H_{18}$ it is : * 1/1

- Alkene
- Alkane
- (●) Alkyne ✓
- Not a hydrocarbon

Feedback

Alkyne general formula CnH2n-2
C10H(2x10)-2
C10H(20-2)
C10H18

✓ 2. The number of electron/ electrons present in the valence shell of a halogen is * 1/1

- 1
- 3
- 5
- (●) 7 ✓

Feedback

As they are present in 17th group of P.T.

✗ 3. Among the elements of period 2, the element which has high electron affinity is : * 0/1

- ○ Lithium
- ○ Carbon
- ◉ Chlorine ✗
- ○ Fluorine

Correct answer

- ◉ Fluorine

✓ 4. The functional group present in acetic acid is : * 1/1

- ○ Ketonic
- ○ Hydroxyl
- ○ Aldehydic
- ◉ Carboxylic acid ✓

Feedback

Good

✗ 5. An alkali metal which burns with golden yellow flame : * 0/1

- ○ Sodium
- ○ Potassium
- ◉ Magnesium ✗
- ○ Calcium

Correct answer

- ◉ Sodium

✓ 6. The IUPAC name of CH_3CHO is * 1/1

- ○ Methanal
- ◉ Ethanal ✓
- ○ Ethanol
- ○ Acetaldehyde

Feedback

Good

✓ 7. The organic compound prepared by the reaction $C_2H_5Br + KOH$ (alcoholic soln.) ⟶ * 1/1

- (●) Ethene ✓
- ( ) Ethane
- ( ) Ethyne
- ( ) Methane

Feedback

Good

✓ 8. A reaction in which hydrogen of an alkane is replaced by another element like chlorine. * 1/1

- ( ) Addition reaction
- (●) Substitution reaction ✓
- ( ) Pyrolysis
- ( ) Decarboxylation

Feedback

Good

✗ 9. $C_2H_2 + H_2 \longrightarrow A + B$. Identify A and B the unsaturated and saturated products formed in the above reaction are * 0/1

- (●) Methane and ethene ✗
- ( ) Propene and methane
- ( ) Ethene and ethane
- ( ) Ethyne and ethane

Correct answer

- (●) Ethene and ethane

✓ 10. Tendency of an atom to attract electrons to its self when combined in a compound * 1/1

- ( ) Electron affinity
- (●) Electronegativity ✓
- ( ) Ionisation potential
- ( ) Ionisation energy

Feedback

Good

11. Match the following : (5 X 1 =5) *

	Tendency to lose electrons	Catenation	CnH2n-2	CnH2n	Tendency to gain electrons	Score	
Self linkage property	○	◉	○	○	○	1/1	✓
Alkenes	○	○	○	◉	○	1/1	✓
Metallic character	◉	○	○	○	○	1/1	✓
Non-metallic character	○	○	○	○	◉	1/1	✓
Alkynes	○	○	◉	○	○	1/1	✓