

10th Class 2021

Chemistry	Group-I	Paper-II
Time: 15 Minutes	(Objective Type)	Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1- Glucose is:

- (a) Hexahydroxy aldehyde
- (b) Hexahydroxy ketone
- (c) Pentahydroxy aldehyde ✓
- (d) Pentahydroxy ketone

2- Matte is mixture of:

- (a) FeS and CuS
- (b) Cu_2O and FeO
- (c) Cu_2S and FeS ✓
- (d) Cu_2S_2 and FeS

3- The functional group $-\text{COOH}$ is found in:

- (a) Carboxylic acid ✓
- (b) Aldehyde
- (c) Alcohols
- (d) Esters

4- Which gas protects the earth surface from ultraviolet radiations?

- (a) CO_2
- (b) CO
- (c) N_2
- (d) O_3 ✓

5- Formula of urea is:

- (a) $\text{NH}_2\text{COONH}_4$
- (b) $\text{NH}_2\text{COONH}_2$
- (c) NH_2CONH_4
- (d) NH_2CONH_2 ✓

6- For a reaction between PCl_3 and Cl_2 to form PCl_5 , the unit of K_c are:

- (a) mol dm^{-3}
- (b) $\text{mol}^{-1} \text{dm}^{-3}$
- (c) $\text{mol}^{-1} \text{dm}^3$ ✓
- (d) mol dm^3

- 7- Alkenes are prepared from alcohols by process called:
- (a) Dehydrogenation (b) Dehalogenation
(c) Dehydration ✓ (d) Dehydrohalogenation
- 8- The new substance formed in chemical reaction is:
- (a) Reactant (b) Product ✓
(c) Forward (d) Reverse
- 9- Just above the earth's surface is:
- (a) Mesosphere (b) Stratosphere
(c) Thermosphere (d) Troposphere ✓
- 10- The reduction of alkyl halides takes place in the presence of:
- (a) Zn / HCl ✓ (b) Na / HCl
(c) Mg / HCl (d) Cu / HCl
- 11- Which ion is the Conjugate base of sulphuric acid:
- (a) SO_3^{2-} (b) S^{2-}
(c) HSO_3^- (d) HSO_4^- ✓
- 12- Water dissolves non-ionic compound by:
- (a) Ion ion forces
(b) Ion dipole forces
(c) Dipole dipole forces
(d) Hydrogen bonding ✓