

# 10th Class 2021

Chemistry	Group-II	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- Which one of the following is tasteless:
- (a) Starch ✓                      (b) Glucose  
(c) Fructose                      (d) Sucrose
- 2- Which one of the following is a raw material for urea:
- (a) CO                              (b) CO<sub>2</sub> ✓  
(c) N<sub>2</sub>                              (d) NO<sub>2</sub>
- 3- The formula of ethyl radical is:
- (a) C<sub>3</sub>H<sub>7</sub> -                      (b) C<sub>2</sub>H<sub>5</sub> - ✓  
(c) C<sub>2</sub>H<sub>4</sub>                      (d) C<sub>3</sub>H<sub>8</sub> -
- 4- The pH of acid rain due to air pollutants become:
- (a) 3                              (b) 4 ✓  
(c) 8                              (d) 9
- 5- Concentration is a:
- (a) Mixing technique  
(b) Boiling technique  
(c) Separating technique ✓  
(d) Cooling technique

- 6- For the reaction  $N_{2(g)} + 3H_{2(g)} \rightleftharpoons 2NH_{3(g)}$ , what will be present in the equilibrium mixture?  
(a)  $NH_3$  only (b)  $N_2$ ,  $H_2$  and  $NH_3$  ✓  
(c)  $N_2$  and  $H_2$  only (d)  $H_2$  only
- 7- Substitution reaction is the characteristic of:  
(a) Alkanes ✓ (b) Alkenes  
(c) Alkyl (d) None of these
- 8- The colour of HI is:  
(a) Colourless ✓ (b) Purple  
(c) Green (d) Red
- 9- Which one of the following is primary pollutant:  
(a)  $HNO_3$  (b)  $H_2SO_4$   
(c) CO ✓ (d)  $H_2CO_3$
- 10- The formula of butyne is:  
(a)  $C_4H_8$  (b)  $C_4H_{10}$   
(c)  $C_4H_6$  ✓ (d)  $C_4H_{12}$
- 11- Just above the earth's surface is:  
(a) Mesosphere (b) Stratosphere  
(c) Thermosphere (d) Troposphere ✓
- 12- Which compound causes temporary hardness of water:  
(a)  $CaSO_4$  (b)  $MgSO_4$   
(c)  $MgCl_2$  (d)  $Ca(HCO_3)_2$  ✓