

Civj-12-18

Chemistry (New Scheme)

(INTER PART-II) 418 - (I)

Paper II

Time: 20 Minutes

**OBJECTIVE**

Marks: 17

Code: 8481

**Note:** You have four choices for each objective type question as A, B, C and D. The choice which you think is correct fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type questions on paper and leave others blank.

1. Zinc oxide is an example of:  
(A) acidic oxide (B) basic oxide (C) amphoteric oxide (D) neutral
2. Down's cell is used to prepare.  
(A) sodium hydroxide (B) sodium metal (C) sodium carbonate (D) sodium bicarbonate
3. Bauxite is a mineral of  
(A) B (B) Be (C) Mg (D) Al
4. Oxidation of NO in air produces.  
(A)  $N_2O_3$  (B)  $N_2O_5$  (C)  $N_2O_4$  (D)  $N_2O$
5. Which one of the following acids has the strongest hydrogen bonding?  
(A) HF (B)  $HCl$  (C)  $HI$  (D) HI
6. Group VIB of transition elements contains  
(A) Zn, Cd, Hg (B) Fe, Ru, Os (C) Cr, Mo, W (D) Mn, Fe, Co
7. The state of hybridization of carbon atom in methane is  
(A) SP (B)  $SP^2$  (C)  $SP^3$  (D)  $dSP^2$
8. Synthetic rubber is made by polymerization of  
(A) chloroform (B) acetylene (C) divinylacetylene (D) chloroprene
9. The carbon-carbon (C-C) bond length in benzene is  
(A)  $1.34 \text{ \AA}$  (B)  $1.20 \text{ \AA}$  (C)  $1.39 \text{ \AA}$  (D)  $1.54 \text{ \AA}$
10. Which one of the following species is an electrophile?  
(A)  $BF_3$  (B)  $H_2O$  (C)  $H_2S$  (D)  $NH_3$
11. Which one of the following enzymes is not used in fermentation of starch?  
(A) diastase (B) urease (C) zymase (D) maltase
12. Cannizzaro's reaction is given by  
(A) acetaldehyde (B) propanol (C) propanone (D) benzaldehyde
13. Which one of the following acids is used in the manufacture of synthetic fibre?  
(A) acetic acid (B) carbonic acid (C) oxalic acid (D) formic acid
14. Which one of the following polymers is a synthetic polymer?  
(A) animal fat (B) starch (C) polyester (D) cellulose
15. Which one of the following set of three elements is needed for the healthy growth of plants?  
(A) N, P, K (B) N, S, P (C) N, Ca, P (D) N, K, C
16. The pH range of the acid rain is  
(A) 7 - 6.5 (B) 6.5 - 6.0 (C) 6.0 - 5.6 (D) less than 5.0
17. The temperature in the non-rotating chamber in the incineration of industrial and hazardous waste process has a range.  
(A)  $500^\circ\text{C}$  to  $900^\circ\text{C}$  (B)  $950^\circ\text{C}$  to  $1300^\circ\text{C}$  (C)  $250^\circ\text{C}$  to  $500^\circ\text{C}$  (D)  $150^\circ\text{C}$  to  $250^\circ\text{C}$

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