## Inter (Part-I) 2018

Chemistry .	Group-l	PAPER: I
Time: 20 Minutes	(OBJECTIVE TYPE)	Marks: 17
are given. The circle in front the answer-borresult in zero r	e answers A, B, C and D e choice which you think of that question with Mar ook. Cutting or filling two o mark in that question. e following molecules	is correct, fill tha ker or Pen ink ir r more circles wil
moment: (a) NH <sub>3</sub>	(b) CHC/ <sub>3</sub>	
(c) H <sub>2</sub> O	(d) CO <sub>2</sub> √	*
2- NH, shows	maximum boiling pol	int among the
(a) Very smal (b) Lone pair (c) Enhanced (d) Pyramidal 3- Approximate (a) 2.7 (c) 4.2	th group element due to: I size of nitrogen of electrons on nitrogen electronegative character structure of NH <sub>3</sub> pH of apple is: (b) 3.1 √ (d) 4.5 If react completely with large A/ <sub>2</sub> O <sub>2</sub> :	of nitrogen. √
(a) 8 g of oxy	gen (b) 16 g of ox	
(c) 32 g of oxy  The rate of re		xygen γ
(a) Increases	s as reaction proceeds V	
(c) Remains s	same as reaction proceeds	
(d) May decre	ase or increase as reactio	n proceeds 🔹
6- When 6d orlingoes into: (a) 7s	bital is complete, the e  (b) 7p √  (d) 7f	ntering electron
(c) 7d	(d) 7f	

7	Equal masses of methane and oxygen are mixed in an		
2	empty container at 25°C. The fraction of total		
	pressure exerted by oxygen is:		
44.	(a) $\frac{1}{3} \sqrt{}$ (b) $\frac{8}{9}$ (c) $\frac{1}{9}$ (d) $\frac{16}{17}$		
	(c) $\frac{1}{9}$ (d) $\frac{16}{17}$		
11.1			
8-	The number of moles of CO <sub>2</sub> which contain 8.0 g of		
	oxygen:		
•	(a) 0.25 √ (b) 0.50		
	(c) 1.0 (d) 1.50		
9-	If an endothermic reaction is allowed to take place		
	very rapidly in an air, the temperature of surrounding		
	air:		
	(a) Remains same (b) Increases		
40	(c) Decreases √ (d) Remains unchanged		
10-	An aqueous solution of ethanol in water may have		
	vapour pressure:		
	(a) Equal to water		
	(b) More than that of water √ (c) Equal to ethanol		
	(d) Less than that of water		
11-	The number of bonds in nitrogen molecule is:		
	(a) One σ and one π ) (b) One σ and two π √		
	(c) Three $\sigma$ only (d) Two $\sigma$ and one $\pi$		
12-	Geometry of diamond is:		
	(a) Tetragonal (b) Cubic √		
	(c) Rhombohedral (d) None of these		
13-	Oxidation number of chromium in Cr <sub>2</sub> O <sub>3</sub> is:		
	(a) +1 (b) +2		
7.	(c) +3 √ (d) +4		
14-	In the ground state of an atom, the electrons are		
	present:		
	(a) In the nucleus		
٠.	(b) In second shell		
1	(c) Nearest to the nucleus √		
	(d) Farthest from the nucleus		

- 15- The chromatography in which stationary phase is liquid is called:
  - (a) Thin layer chromatography
  - (b) Partition chromatography √
  - (c) Adsorption chromatography
  - (d) Gel chromatography
  - 16- The pH of human blood is maintained at:
    - (a) 7.35 √

(b) 7.53

(c) 7.63

- (d) 7.73
- 17- Ideal solutions obey:
  - (a) Henry's law
- (b) Avogadro's law
- (c) Raoult's law √
- (d) Smith's law

