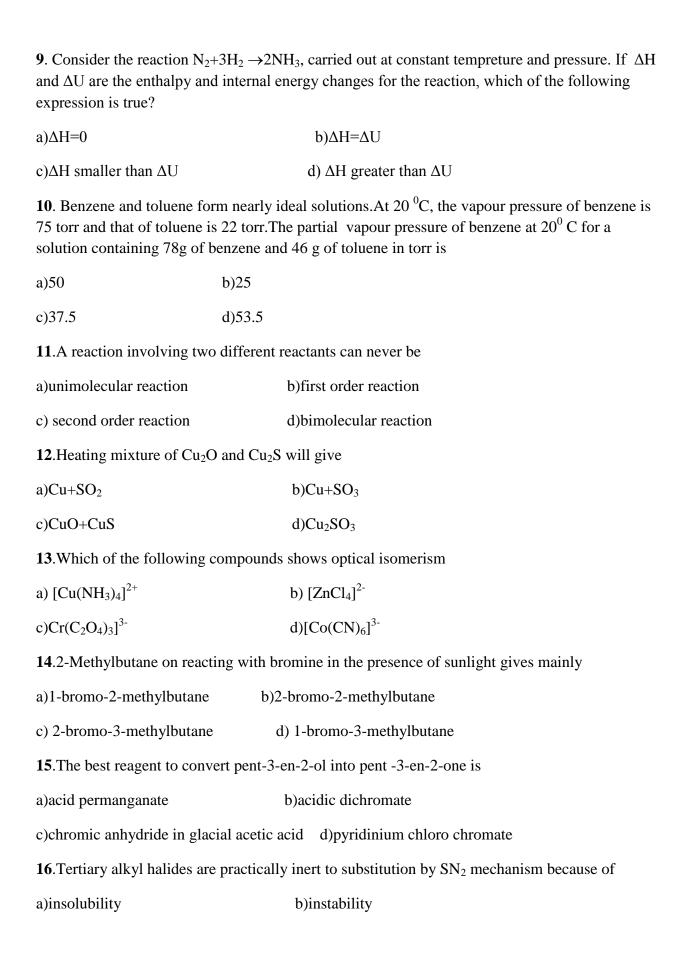
CHEMISTRY

QUESTION SET-5

I. Which	of the fo	ollowing	oxides is ampho	oteric in characte	er?	
a) CaO	b)CO ₂	c)SiO ₂	$d)SnO_2$			
2.The ox	idation s	tate of Cr	in [Cr(NH ₃) ₄ C	[l ₂] ⁺ is		
a) +3	b)+2	c)+1	d)0			
3. Hydro	gen bom	b is based	on the princip	le of		
a) nuclear fission		b)natural radioactivity				
c) nuclear fusion		d)artificial radioactivity				
	-			•	at the corners of a conformation of a conformati	
a)AB		b)AB ₃	$c)A_2B$		$d)A_3B$	
5. Which	of the fo	ollowing i	s a polyamide?	?		
a)Teflon		1	b)nylon-66	c)terylene	d)Bakelite	
6. Which	n one of t	he follow	ing types of dr	rugs reduces fev	er?	
a)analgesic			b) antipyretics			
c)anti biotics			d)tranquiliser			
7. The highest electrical conductivity of the following aqueous solution is of						
a)0.1M acetic acid		b) 0.1	1M chloroacetic	acid		
c) 0.1M fluoroacetic acid		d)	d)0.1M difluoroacetic acid			
=27amu,	1 farada	y =96,500		cathode reaction	ish aluminium meta is $Al^{3+}+3e^{-} \rightarrow Al^{0}$.	
a)5.49x1	5.49×10^7 C of electricity b)1.83 x 10^7 C of electricity					
c)5.49x10 ⁴ C of electricity		d)5.	d)5.59x10 ¹⁰ C of electricity			



c)inductive effect d)steric hinderance 17. Among the following acid which has the lowest pKa value? a)CH₃COOH b)HCOOH c)(CH₃)₂CH-COOH d)CH₃CH₂COOH **18**.Elimination of bromine from 2-bromobutane results in the formation of a)equimolar mixture of 1 and 2-butene b)predominantly 2- butane c) predominantly 1- butane d) predominantly 2- butyne 19. The value of the spin only magnetic moment for one of the following configuration is 2.84BM.The correct one is a)d⁴(in strong ligand field) b)d⁴(in weak ligand field) d)d⁵ (in strong ligand field) c)d³(in weak as well as in strong field)

ANSWERS OF SET-5

b)54

d)60

Questions	Answer
1	D
2	В
3	D
4	В
5	A
6	В
7	В
8	A
9	A
10	C

20. Equivalent weight of anhydrous oxalic acid is

a)45

c)36

11	A
12	A
13	A
14	В
15	В
16	С
17	D
18	В
19	В
20	D