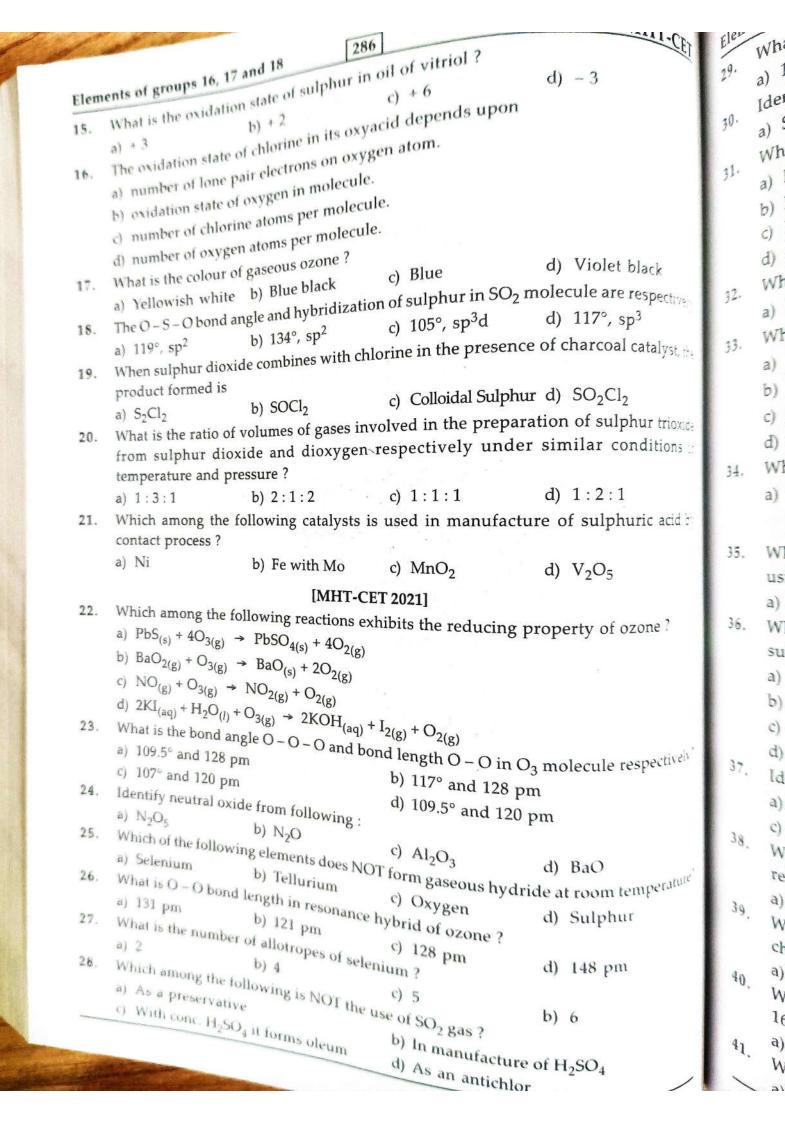
a) SnO

b) CaO

c) B₂O₃

Multiple Choice Questions

	The state of	restrons						
Group 16 elements								
	IMHT-CET 20051							
	Number of unpaired electrons in sulphur is							
	a) 2 b) 6 c) 8	B d	1					
	[MHT-CET 201	31						
	which is the strongest acid in the following?							
		HClO ₄ d	H_2SO_3					
	[MHT-CET 201	2.0097						
	Identify a metalloid from the following list of	elements.						
	a) Carbon b) Neon c)	Sodium d) Tellurium					
	[MHT-CET 202	16]						
	The element that does NOT form acidic oxide	is						
	a) Carbon b) Phosphorus c)	Chlorine	l) Barium					
	[MHT-CET 20							
	Which among the following compounds does	not act as a reduc	ing agent ?					
	a) H ₂ O b) H ₂ S c)	H ₂ Se	d) H ₂ Te					
	[MHT-CET 20	18]						
	ldentify the element that forms amphoteric of	oxide.	D C 1 1					
	a) Carbon b) Zinc c)	Calcium	d) Sulphur					
[MHT-CET 2019]								
1,	The oxidation number of sulphur in S ₈ molec	cule is	1/ 2					
	a) 0 b) 2 c)	6	d) 3					
6	The oxidation state of sulphur in H ₂ S ₂ O ₇ is	. 5	d) + 7					
0.	Which substance is used to bleach wood pul	Chlorine gas	d) H ₂ SO ₄ /KMnO ₄					
	a) Halla							
1	Which of the following oxides is amphoteric	Al_2O_3	d) SO ₃					
	a) CaO b) Na ₂ O c Which of the following oxyacids of sulphur							
	Which of the following oxyacids of surprise) H ₂ SO ₃	d) $H_2S_2O_4$					
	a) $H_2S_2O_5$ b) $H_2S_2O_2$ [MHT-CET 2							
	In resonance hybrid of ozone molecule, O –	O bond length is						
	124 5 000	I Am P	d) 128 pm					
	Which can be in avvacids of sulphur	contains both S =	S and $S = O$ bonds?					
	3/ 1.	1 1 1 2 2 2	d) $H_2S_2O_5$					
	Which among the following oxides is ampr	noteric in nature ?	d) Cl ₂ O ₇					
	, all all all all all all all all all al	c) B ₂ O ₃	21 21207					



a)

b)

c)

d)

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a)

W

a)

b)

c)

d) W

a)

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a)

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Su

a)

b)

c) d)

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a)

(c)

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W

cl

a)

W

16

9)

hand angle O-S-O in SO2 molecule 2	MHT-CET							
What is bond angle O-S-O in SO ₂ molecule? b) 180°								
a) 107° c) 90° ldentify amphoteric oxide from following. b) Na ₂ O	d) 119.5°							
identify and b) NacO								
C Na	O d) Al ₂ O ₃							
which among the following statements about oz	one depletion is NOT true?							
Depletion of ozone is most pronounced over	Antarctica.							
groups used in acrosor that enter into atmosphere cause I								
Nitrogen oxide released from cars causes ozo	ne depletion.							
Due to ozone depletion less amount of UV radiations reach to earth surface.								
Which element from following belongs to oxyge	n family ?							
a) Ba b) Se c) Ri								
Which from following statements is true for grown form FO. type and	up 16 elements ?							
All elements of this group form EO2 type oxi	des.							
b) It includes all the nonmetals.								
Ovides of all elements of this group are gase	ous at room temperature.							
d) Reducing properties of dioxides of this group	p elements decrease from SO_2 to TeO_2 .							
Which among the following oxides is acidic in a	nature ?							
a) N_2O_5 b) NO c) N								
[MHT-CET 2022	1							
" What is the assentity of sugar chargoal remain	What is the quantity of sugar charcoal remaining behind after charring 17.1 g sugar							
using conc. H ₂ SO ₄ under ideal conditions?								
1) 14.4 c C) 1	0.5 g d) 11.4 g							
a) 7.2 g b) 14.4 g c) 1 Which from following activities results into the	formation of oleum in manufacture of							
sulphuric acid by contact process?	The state of the s							
a) By passing SO ₂ gas into the dil. H ₂ SO ₄ .								
b) Passing SO ₂ gas into the division.								
O Real of the SO4:								
	by absorbing SO ₃ gas in conc. H ₂ SO ₄ .							
d) By adding sodium sulphite and SO ₂ in water lidentify the product obtained when sucrose is	treated with conc. H ₂ SO ₄ .							
b) 5	Sugar charcoal and water							
Jaccharic acid	almonic acid and fructose							
Jucose and fructose	ed when 34.2 g sugar is charted assign							
Glucose and fructose What is the quantity of sugar charcoal obtain required quantity of conc. sulphuric acid under c)	er ideal conditions							
red quantity of conc. sulphune ac-	a) 11.08							
What is the number of moles of water removes the SO4?	ed from one mole of catte sugar witch							
the number of moles of water 1.	d) 2							
Telled I conc 112	(1) -							
what quantity of carbon dioxide is produced	I when 2 moles of career are							
14 quantity of carbon dioxide is produce	d) 22 g							
601 dioxygan 2	11.0							
Which among the following is group 16 elements of the state of the sta	ent?							
which among the following is group to elem	Po							
a) Sb among the following is go c)								

b) 2

die.

CT.

of group	291	MHT-CET			
of groups 16, 17 and 18 ntify compound having squa	are pyramidal shape fro	om following.			
a-E-	c) CIE	AV Dat			
a) BrF3 b) ICI c) CIF3 d) BrF5 Which among following compounds of chlorine possesses CI atom in highest oxidate					
10 ?					
chlorous acid b) Chiori	c acid c) Perchlor	ic acid d) Hypochlorous acid			
ich among the following is a	a colourless gas?	, ,,			
1F ₂ b) ICl ₃	c) ICl	d) BrF ₃			
ich from following elements	of halogen family is in li	quid state at room temperature?			
lodine b) Astati	ne c) Bromine	d) Fluorine			
entify metal halide from follo	wing having highest io	nic character : (M = metal atom)			
MF b) MBr	c) MI	d) MCl			
entify the correct pair of min	eral and its formula fro	om following.			
Baryte – MgSO ₄ . 7 H ₂ O	b) Cryolite				
Galena – ZnS	100 (100 m)	salt – CaSO ₄ . 2H ₂ O			
hich among the following co		2 No. 10 No.			
GIF b) IF ₇	c) IF ₃	d) CIF ₃			
	g combines with hydro	gen to form compound having			
west acidic strength ?		123			
Cl b) Br	c) F	d) I			
	[MHT-CET 2022]				
Thich among the following is	correct decreasing ord	er of covalent character of ionic			
ond?					
AlCl ₃ > NaCl > MgCl ₂	b) AlCl ₃ >	$MgCl_2 > NaCl$			
$NaCl > MgCl_2 > AlCl_3$	d) MgCl ₂	> NaCl > AlCl ₃			
What is action of chlorine on e	excess ammonia ?				
Formation of nitrogen trick	nd hydrochloric acid.				
Formation of dinitrogen ar	-bloride and dinitrogen				
Formation of ammonium of	hydrochloric acid.				
Formation of nitric oxide a	ation enthalpy from following.				
dentify the correct decreasin	g order of bond dis-	ation enthalpy from following. > $Br - Br > F - F > I - I$			
(a) $Cl - Cl > F - F > Br - Br > I$	-1 -1 E - F >	Cl - Cl > Br - Br > I - I			
I - I > Br - Br > CI - CI > F -	-F a) F-12	and dissociation enthalpy?			
$^{(j)}$ I-I>Br-Br>Cl-Cl>F- Which among the following r	molecules has lowest be	d) I ₂			
mail the control of t					
$^{4)}$ Br $_2$ b) F $_2$ Which among the following I	hydrogen halides is the	d) HF			
Which	ules has highest bolid d	d) Cla			
"iuch from following molec	c) 1 ₂)			
2) n	-/ - 2				
a) Br ₂ b) F ₂ Which of the following comp	-/ - 2	d) TeF ₄			

	The second secon	296	The state of the s	IJEE Main-2025 Phase-		
	17 and	18	tivity is	d) Br > F > I > C1		
Elements of groups 16, 17 and 16 Elements of groups 16, 17 and 16 Report of electronegativity is a series of the						
158	The correct decreasing of Cl > F > Br > 1					
	Elements of groups 16, 17 and 18 Elements of groups 16, 17 and 18 The correct decreasing order of electronegativity is a) F>C > F>Br> a) F>C > F>Br> b) C > F>Br> c) F>C > F>C > F>C > F>C The correct decreasing order of electronegativity is a) F>C > F>C					
150	Given below are two ste	an that can form a	miliona pentoxide.			
Statement 1: Like nitrogen that antimony peritorial answer from						
Statement I: Like nitrogen that can form ammony pentoxide. Statement II: Antimony cannot form antimony pentoxide answer from the Statement II: Antimony cannot form antimony pentoxide. [NEET - 202] In the light of the above statements, choose the most appropriate answer from the light of the above statements, choose the most appropriate answer from the light of the above statements.						
In the light of the above statements						
	options given between the same of the same					
options given below: a) Statement I is correct but statement II is incorrect this incorrect but statement II is correct						
	a) Statement I is correct but statement II is correct b) Statement I is incorrect but statement II are correct c) Bot Statement I and statement II are incorrect					
	c) Bot Statement I and	statement II are i	ncorrect			
	c) Bot Statement I and d) Both statement I and	Statement 12				
160.	Match List-I with List-I					
	List-I	List-II				
	11. 11.00	sp ³ d;linear				
	Am.) sp ³ ;pyramidal				
C. XeOF ₄ iii) sp ³ d ³ ; distorted octahedral						
	D. XeF ₆ in	v)sp ³ d ² ; square py	ramidal			
	Choose the correct ans	wer from the option	ns given below:	(NEET - 2025)		
	a) A-IV, B-II, C-III, D-I		b) A-IV, B-II, C-I, I	D-III		
	c) A-II, B-I, C-IV, D-III		d) A-II, B-I, C-III,	D-IV		
161.	One of the products for	rmed from the reac	tion of permangan	ate ion with iodide ion		
	1	13	(JEE (A	dvanced) Paper 1 - 2025		
162.		o) IO ₃ -				
	value of an oil?	internalogen comp	ounds is used in th	d) IO ₂ ⁻ ne determination of iodina		
	d -	TOTAL VARIABLES		(MHT - CET - 2025)		
165.	a) It is bight	nt from the following	c) IF ₃	d) IE-		
	Identify false statemer a) It is highly electror b) It exhibits only - 1	legative element	ig about fluorine.	(MHT-CET - 2025)		
	b) It exhibits only - 1 c) It has bond dissoci	oxidation state.				
	c) It has bond dissociation enthalpy among all halogens.					
	, OX	oacid,	all nalogens.			