(C) 165.5 gm

(D) None of these

(B) 662 gm

(A) 331 gm

12.	The mass of P_4O_{10} produced if 440 gm of P_4S_3 is mixed with 384 gm of O_2 is $P_4S_3 + O_2 \longrightarrow P_4O_{10} + SO_2$				
	(A) 568 gm	(B) 426 gm	(C) 284 gm	(D) 396 gm	
13.	0.6 mol of bariur produced is	n chloride in solution is mixe	ed with 0.2 mol of sodiu	m phosphate, the amount of barium phosphate	
	(A) 0.1 mol	(B) 0.3 mol	(C) 0.4 mol	(D) 0.5 mol	
14.	What is the number of moles of $Fe(OH)_3$ that can be produced by allowing 1 mole of Fe_2S_3 , 2mole of H_2O and 3 mole of O_2 to react				
	$2Fe_2S_3 + 6H_2O +$	$3O_2 \longrightarrow 4Fe(OH)_3 + 6S$			
	(A) 2	(B) 1.33	(C) 3.52	(D) None	
15.	28 gm lithium is mixed with 48 gm O_2 to react according to the following reaction.				
	$Li + O_2 \rightarrow Li_2O$				
	The mass of Li ₂ C) formed is :			
	(A) 30 gm	(B) 35 gm	(C) 45 gm	(D) 60 gm	
16.	Three substances	Three substances A, B and C can react to form D and E as shwon:			
	$2A + 3B + C \rightarrow 4D + 2E$				
	If molar masses of A, B, C and D are 40 , 30 , 20 and 15 respectively and 285 gm of mixture of A, B and C is reacted then maximum mass of E which can be obtained will be:				
	(A) 285 gm	(B) 200 gm	(C) 195 gm	(D) 100 gm	
17.	How many moles	How many moles of potassium chlorate need to be heated to produce 11.35 litre oxygen at STP?			
	2	(B) $\frac{1}{3}$ mol	7	3	
18.	In the reaction $4A + 2B + 3C \rightarrow A_4B_2C_3$ what will be the number of moles of product formed? Starting from 2 moles of A, 1.2 moles of B and 1.44 moles of C.				
	(A) 0.5	(B) 0.6	(C) 0.48	(D) 4.64	
19.	12 g of alkaline earth metal gives 14.8 g of its nitride, Atomic weight of metal is :				
	(A) 12	(B) 20	(C) 40	(D) 14.8	
20.	0. If 10 g of Ag reacts with 1 g of sulphur, the amount of Ag_2S formed will be:				
	[Atomic weight of $Ag = 108$, $S = 32$]				
	(A) $7.75 g$	(B) 0.775 g	(C) 11 g	(D) 10 g	
21.	According to following reaction:				
	$A + BO_3 \rightarrow A_3O_4 + B_2O_3$				
	The number of moles of A ₃ O ₄ produced if 1 mole of A is mixed with 1 mole of BO ₃ is:				
	(A) 3	(B) $\frac{1}{2}$	(C) $\frac{1}{3}$	(D) $\frac{2}{3}$	

Answers

RACE # 16

1. (D) **2.** (B) **3.** (C) **4.** (D) **5.** (ABCD) **6.** (D) **7.** (C) **8.** (C) **9.** (D)

10. (C) **11.** (C) **12.** (B) **13.** (A) **14.** (B) **15.** (D) **16.** (C) **17.** (B) **18.** (C) **19.** (C)

20. (A) **21.** (C)