

1.								
	The sum of the first 20 terms cor (1) 4000	nmon between the se	eries $3 + 7 + 11 + 1$	$5 + \dots$ and $1 + 6$ (2) 4200	$3 + 11 + 16 + \dots$. is		
	(3) 4220			(4) 4020				
2.	If a_1, a_2, a_3, a_4, a_5 and a_6 are six	arithmetic means be	tween 3 and 31, then		a_6 are respectively e	/// mathongo quals to		
	(1) 5 and 34		,	(2) 4 and 35		1		
	(3) 4 and 34 mathongo			(4) 4 and 36				
3.	Geometric mean of $7,7^2,7^3,\ldots 7$							
	(1) $7^{\frac{n+1}{2}}$			(2) 7				
	(3) $7^{n/2}$ go /// mathongo			(4) 7^n thongo				
4.	If m arithmetic means (A.Ms) an	d three geometric m	eans (G.Ms) are inse	erted between 3 and	243 such that 4^{th} A.	M. is equal to 2^{nd} G.	M., then m is equal	to:
5.	$\log_3 2, \log_6 2$ and $\log_{12} 2$ are in							
	(1) AP			(2) GP				
	(3) HP			(4) AGP				
6.	The 4th term of a HP is 3/5 and 8	3th term is 1/3, then i	ts 6th term 18 ongo	(2) 3/7				
	(1) 1/6 (3) 1/7			(4) 3/5				
4%	The minimum value of $4^x + 4^{1-x}$	x ∈ Richongo						
,.	(1) 2	, x < 10, 13		(2) 4				
	(3) 1			(4) None of the	se			
8.	If $a + 2b + 3c = 12$ (a, b, c)	$\in \mathrm{R}^+$) then $\mathrm{ab}^2\mathrm{c}^3$ is	/// mathongo					
	$(1) \geq 2^3$			$(2) \geq 2^6$				
	$(3) \leq 2^6$ mathongo			(4) None of the	se ///. mathongo			
9 * .	Find the sum of the following ser							
	$(1) \ \frac{5}{81} \left[10^{51} - 910 \right]$			(2) $\frac{5}{81} \left[10^{101} - \right]$				
	(3) $\frac{5}{27} \left[10^{101} - 910 \right]$ nothongo			01 -	_			
10*	Sum of the series $S = 1 + \frac{1}{2}(1 + \frac{1}{2})$	$+ 2) + \frac{1}{3} (1 + 2 +$	$3) + \frac{1}{4}(1 + 2 +$		20 terms is			
	(1) 110 (3) 115 mathongo			(2) 111 (4) 116				
	(5) 110			(1) 110				
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