D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS) APTITUDE TEST

Arithmetic Progression – Test 32

1. The sum of n terms of an A.P. is $3n^2 + n$, find the <i>n</i> th term.					
a)	6n - 4	b)	6n - 2		
c)	4n - 4	d)	4n - 2		
2. Find the sun of the following series					
3 + 7 +	- 11 + 15 + ����. To 30 terms				
a)	1920	b)	1830		
c)	1970	d)	1740		
3. Find the position of 62 in the following series 2, 5, 8,?					
a)	26	b)	23		
c)	21	d)	20		
4. If yo	ou save 1 paise totay, 2 paise next	day a	and 3 paise the succeeding day		
and so on, what will be your savings in 365 days?					
a)	666.75	b)	668.85		
c)	665.35	d)	667.95		
5. Find	the sun of the following series				
72 + 70 + 68 + \$\$\$\$. + 40					
a)	886	b)	918		
c)	952	d)	988		
6. Find	I the number of terms in the serie	s 8,11	1,14,95		
a)	25	b)	26		
c)	27	d)	30		
7. Find	l the number of terms in the serie	s 11,6	5,1,54?		
a)	12	b)	13		
c)	14	d)	15		
8. Find	I the number of terms in the serie	s 2,3.	5,5,62 ?		
a)	50	b)	62		
c)	41	d)	42		
9. Find	I the values of x in the Arithmetic	series	3x+1,5x-1,5x+1,		
a)	2	b)	3		
c)	8	d)	7		
10. In an A.P the 12th term is 61 and common difference is 5 then find the					
series					
a)	6,11,16	b)	4,7,11		
c)	5,8,11	d)	3,9,12		
11. In an A.P the 10th term is 31 and 15th term is 46. Find the series.					
a)	4,7,10	b)	5,8,11		
c)	4,6,8	d)	7,11,13		
12. In an A.P T4:T7::2:3 then find T3:T11					
a)	12:13	b)	5:13		
c)	22:21	d)	12:14		
13. Find the sum of the first 30 terms of the progression 5+8+11+					
a)	4000	b)	3600		

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c)	1455	d)	3430			
•	Find the sum 4+9	•				
a)	3500	b)	4060			
c)	5500	d)	2440			
15. Find the sum of all numbers between 200 and 400 which are divisible by 7						
a)	1500	b)	4200			
c)	8729	d)	6978			
•	16. Find the sum of the first 12 odd numbers.					
a)	280	b)	180			
c)	320	ď)	144			
17. Find the sum.13+15++47						
a)	120	b)	230			
c)	220	ď)	540			
•		•	224+make a sum of 4200			
a)	20	b)	21			
c)	32	d)	43			
•		,	m is 21 and sum of their squares			
is 1			1			
a)	3,5,7	b)	5,9,13			
c)	6,13,20	d)	3,7,11			
•	·	,	respectively 16 and 20 find the nth			
tern			copecutery to and 20 mile the near			
a)	2n+2	b)	n+4			
c)	2n	d)	n-4			
•		•	erms of the sequence defined by			
	=(-1)n n3	ween the thi and our to	or the sequence defined by			
a)	3:5	b)	5:3			
c)	1:8	d)	8:1			
•		,	6th term is 12 and 8th term is 22			
a)	3r-7	b)	5r-18			
c)	2r-6	d)	5r-9			
,		A.P is q the qth term is j				
		b)	-r+p+q			
a) c)	p+q-r	d)				
•	-p+q+r If 7 times the 7th	,	pq+r to 11 times its eleventh term, find			
	18th term of the A		to 11 times its eleventin term, ima			
			F			
a)	0	b)	5 3			
c)	Determine 1- as the	d)	_			
25. Determine k so that k+2,4k-6 and 4k-2 are the three consecutive terms of an A.P						
		L١	4			
a)	2	b)	4			
c)	8	d)	-4			