be the term of

natural

	c) $\left\{\frac{n(n+1)}{2}\right\}^2$						
	(2) (2) (1) $(n + 1)(2n + 1)$						
	d) $\frac{1}{6}$						
17.	The series: $3 + 1 + \frac{1}{3} + \frac{1}{9} + \dots$						
	i. Is a geometric series.						
	ii. Common ratio of the series is $\frac{1}{3}$.						
	iii. 6^{th} term of the series $\frac{1}{2}$.						
	Which one of the following is correct?						
	a) i and ii b) ii and iii						
	c) i and iii d) i, ii and iii						
18.	Observe the following:						
	i. $1 + 2 + 3 + \dots + n = \frac{n(n+1)}{n}$						
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$						
	11. 1 + 2 + $n = \frac{6}{6}$						
	iii. $1^3 + 2^3 + 3^3 + \dots + n^3 = \frac{n(n+1)^2}{2}$						
	Which one of the following is correct?						
	a) i and ii b) i and iii						
	c) ii and iii d) i, ii and iii						
	Answer to the questions No. (19 – 20)						
	on the basis of series: $\log 2 + \log 4 + \log 4$						
10	log 8 +						
19.	Which one is the common difference						
	a) 2 b) 4						
	$\begin{array}{c} a) 2 \\ c) \log 2 \\ d) 2 \log 2 \\ \end{array}$						
20.	Which one is 7 th term of the series?						
	a) $\log 32$ b) $\log 64$						
	c) log 128 d) log 25						
	According to the series: log 2 +						
	log 4 + log 6 + Answer the						
	questions No. (21 – 22):						
21.	Which one is the 5 th term of the						
	series?						
	a) log 256 b) log 1024						
	c) log 16384 d) log 65536						
22.	Which one is the sum of the first 5 th						
	term of the series: $a) 15 \log 2$ b) 14 log 2						
	a) $15 \log 2$ b) $14 \log 2$						
	a - a + a - a - is a series						
	$a - a + a - a - \dots$ is a series.						
23.	Which one is the 21 st term?						
	a) —ab) A						
	c) 21a d) -21a						
24.	Sum of first 21 st term?						

a) ()		b) F	ł

- c) –a d) 21a
- 25. Which of the following is the sum of the square of first n number of natural numbers?

	natural numbers.					
	a) $\frac{2}{3}n(n+1)(2n$	+ 1)				
	b) $\frac{1}{6}n(n+1)(2n$	+ 1)				
	c) n^2					
	d) $\frac{2}{2}(n-1)n(2n+1)n(2n+1)$	- 1)				
26.	$1^2 + 2^2 + 3^2 + \dots$	$+10^2 = What?$				
	a) 55	b) 110				
	c) 385	d) 3025				
7	$1^2 + 2^2 + 3^2 +$	$\cdots + n^2 = 390$ then				
27.	$11 - 1 + 2 + 3 + \cdots$	·+ n 30 then				
	what is the value of n?					
	a) 17	b) 18				
	c) 19	d) 21				
28.	If $1^2 + x + y + 4^2$	² is the series of the				
	square natural nu	mbers then:				
	i. $x = 4$					
	ii. $y = 9$					
	iii. Final term = 6	8				
	Which one of the f	following is correct?				
	a) i and ii	b) i and iii				
	c) ii and iii	d) i, ii and iii				
	$1^2 + 2^2 + 3^2 + \dots +$	n ²				
29.	$11 + 2 + 3 + \dots + 1$	$\frac{1}{1} = 15$ then -				
	i. $\frac{n(n+1)(2n+1)}{2n(n+1)} =$	= 15				
	3n(n+1) ii $2n+1=45$					
	iii $n = 22$					
	Which one of the f	following is correct?				
	a) i and ii	b) i and iii				
	c) ii and iii	d) i, ii and iii				
	Answer to the qu	estions No. (30 - 31)				
	using the following	g information:				
	The final term of t	the series: $1^2 + 2^2 + 2^2$				
	$3^2 + n^2$ is 36.					
30.	What is the value	of n?				
	a) 5	b) 6				
	c) 36	d) 72				
31.	What is the sum o	f the series?				
	a) 18	b) 36				
	c) 91	d) 324				