10th Class 2018						
Math (Science)		Group-II		PAPER-II		
Time: 20 Minutes		(Objective Type)		Max. Marks: 15		
Contract to be a second	Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.					
1-1-	If u ∝ v ² , then:					
	(a) $u = v^2$		$u = k v^2$	/		
	(c) $u v^2 = k$		$u v^2 = 1$			
2-	A set with no element is called:					
	(a) Subset		Empty se			
	(c) Singleton set (d) Super set					
3- The number of terms in a standard equation ax² + bx + c = 0 is:						
	(a) 1	(b)				
	(c) 3 $\sqrt{}$ (d) 4					
4-	A frequency	polygon is	a many s	sided		
	(a) Closed fig	ure v (b)	Rectang	le		
	(c) Circle	(d)	Triangle			
5-	$\sec \theta \cot \theta =$					
	(a) sin θ	(b)	$\frac{1}{\cos \theta}$			
	(c) $\frac{1}{\sin \theta} $	(0)	$\frac{\sin \theta}{\cos \theta}$			
6-	The arcs opposite to incongruent central angle circle are always					
	(a) Parallel	(b)	Perpend	dicular		
	(c) Congruen	it (d	Incongr	uent √		
7-	The symbol for a triangle is denoted by:					
	(a) ∠	(b) A V			
	(c) 1	(d	0			
			*			

8-	The length of the diameter of a circle is how many times the radius of the circle?				
	(a) 4 times (b) 3	times			
	(c) 2 times 1/ (d) 1	the first of the second of the			
9-	If $\frac{a}{b} = \frac{c}{d}$, then componendo property is:				
	(a) $\frac{a}{a+b} = \frac{c}{c+d} \sqrt{(b)} \frac{a}{a}$	$\frac{a}{-b} = \frac{c}{c-d}$			
	(c) $\frac{ad}{bc}$ (d) $\frac{a}{c}$	$\frac{1-b}{b} = \frac{c-d}{d}$			
10-	A circle has only one				
	(a) Secant (b) C				
	(c) Diameter (d) C				
11-	How many common tangents can be drawn for two touching circles?				
16 miles	(a) 1 (b) 2				
	(c) 3 (d) 4				
12-	If A ⊆ B, then A ∩ B is equal to:				
	(a) A √ (b) E				
	(c) ϕ (d) A	(UB			
13-	The discriminant of ax2+	bx + c = 0 is:			
	(a) $b^2 - 4ac $ (b) b	² + 4ac			
	(c) $-b^2 + 4ac$ (d) -	b ² – 4ac			
14-	A fraction in which the degree of numerator is les than the degree of the denominator is called:				
*	(a) An equation (b) A	n improper fraction			
		proper fraction 1			
15-	Product of cube roots of	unity is:			
	(h) 1	1/			
1 A 10	(a) 0 (b) 1 (c) -1 (d) 3				
	and the first				

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