DEPARTMENT OF GENERAL EDUCATION DIET ERNAKULAM VAIBHAVAM 2021 SSLC ACADEMIC SUPPORT		8)	8) The daily wages of workers in a company are as follows.								
				wages (in Rs)	200	250	300	350	400		
тэ	SSLC ACADEMIC SUPPORT MATHEMATICS			Number of workers	2	4	5	7	5		
14	Max	. Marks : 20		Calculate							
Instruction Give	explanations where ever necessary			(a) the mean ((b) the mediar	of the da n of the	aily wage: daily wag	s. jes.				
1) Find the com 2) What is the t	mon difference of the sequence 8, 15, 22, height of the cone with slant height 5cm and	[1]	9)	Look at the pa	attern gi	ven belov	<i>N</i> .	•			
base radius 3	Bcm ?	[1]									
 3) If the nth term. (a) first term. (b) common (4) (c) 15, 10, 15, 9, then find its (a) mean. 	 a) If the nth term of a sequence is 5n + 2. then find its (a) first term. (b) common difference (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)					 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c					
 (b) median. 5) The expression 4n² + 5n. Find (a) the sequence (b) the expression 6) A cone with low folding a sequence 	ion for the sum to n terms of an arithmetic seq d ence. ession for the n th term of this sequence. base radius 10cm and the slant height 25cm is t sector. Then find,	[1] Juence is [2] [1] formed	10)	 (d) the seque A hemisphere solid as show total height of Then calculate (a) height of t 	e and a c n in the f the soli e the, the cone.	one with figure. Th d is 21 cn	same ra ne radius n.	dius are of the h	joined to	r r	
(a) the radius (b) the centra	s of the sector. al angle of the sector.	[1] [2]		(b) volume of (c) total volum	the cone ne of the	e. solid.		[2] [2]	K		
7) 5 th term of a (a) find the c (b) write dow	sequence is 50 and the 10 th term is 70, then ommon difference of this sequence.	[1] [1]				***	***			-	
(c) calculate	the sum of first 20 terms of this sequence.	[2]									

wages (in Rs)	200	250	300	350	400	450	500	
Number of workers	2	4	5	7	5	4	3	
Calculate								
(a) the mean of the daily wages.							[2]	
(b) the median of the daily wages.							[2]	
Look at the pattern given below.								
(a) the sequence of squares in each figure.							[1]	
(b) the sequence of match sticks used in each figure.							[1]	
(c) the number of match sticks used in 8^{th} figure if the pattern								
continues.							[2]	
(d) the sequence of rectangles(including the squares) in each figure.						re. [1]		

one with same radius are joined together to form a figure. The radius of the hemisphere is 9 cm and the id is 21 cm.

