

# WANDOOR GANITHAM - S S L C UNIT TEST 2021

**4.01BE**

## ARITHMETIC SEQUENCES –ANSWER KEY

Qn no.	Key	Score	
1	a) 3 b) 40	1  1	  2
2	a) $\frac{57-36}{8-5} = \frac{21}{3} = 7$ b) $36+15 \times 7 = 36+105 = 141$ <b>or</b> $57+12 \times 7 = 57+84 = 141$	1  1	  2
3	a) 6 b) 40	1  1	  2
4	a) $\frac{20 \times 21}{2} = 210$ b) $8 \times 210 = 1680$ c) $1680 - 20 \times 3 = 1680 - 60 = 1620$	1  1  1	    3
5	a) 3 b) 3 c) 22	1  1  1	    3
6	a) $\frac{253}{11} = 23$ b) $300 - 253 = 47$ c) $\frac{47-23}{12-6} = \frac{24}{6} = 4$ d) $4 \times n - 1$	1    1    1	        4

7	<p>a) 5</p> <p>b) 102</p> <p>c) 180</p> <p>d) <math>\frac{180}{2} \times (102 + 997) = \frac{102 \times 1099}{2} = 56049</math></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>4</p>
8	<p>a) 11 , 12 ,13 ,14 ,15 16 ,17 ,18 ,19 ,20 ,21</p> <p>b) 10</p> <p>c) <math>\frac{9 \times 10}{2} = 45</math></p> <p>d) 46</p> <p>e) <math>\frac{55 \times 56}{2} = 1540</math></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>5</p>