

ANSWER KEY UJJWALAM 2021**SUBJECT MATHEMATICS SET 2**

Qn No	Value Points	Score	Total
1	$d = 4$	1	1
2	90	1	1
3	$3/10$	1	1
4	First term = 5 $d = 3$	1 1	2
5	$\angle C = 50$ Out side the circle	1 1	2
6	Third term = $45/5 = 9$ 1, 5	1 1	2
7	$d = 3$ $X_{10} = 5 + 9 \times 3 = 32$ No, 100 is not a multiple of 3	1 1 1	3
8	$\angle EDB = 60$ $\angle ECB = 60$ $\angle DBC = 20$	1 1 1	3
9	$13/25$ $8/25$ $9/25$	1 1 1	3
10	To draw circle of radius 3 cm To measure central angle 100 To measure central angle 120 or 140 To draw triangle	1 1 1 1	4
11	$d = 42/7 = 6$ $X_{13} = 70 + 6 = 76$ $S_{25} = \text{Thirteenth term} \times 25$ $76 \times 25 = 1900$	1 1 1 1	4
12	$l + b = 10$ Length = $10 - x$ $X(10 - x) = 24, x^2 - 10x = -24$ Length = 6 cm, breadth = 4 cm	1 1 1 1	4
13	$20 \times 21 / 2 = 210$ $3 \times 210 = 630$ $630 + 20 = 650$ Sum of Qn b and Qn c $630 + 650 = 1280$	1 1 1 1 1	5
14	To draw rectangle To draw diameter To draw semi circle To draw perpendicular To draw square	1 1 1 1 1	5