|  |  |  |
| --- | --- | --- |
| Q1 | 1. 227cm2
2. 53cm
 | * $A=πr^{2}$
* $=π(8.5)^{2}$
* 227cm2
* $C=πD$
* $C=π×17$
* 53cm
 |
| Q2 | (a) 41cm(b) 82cm | * $r^{2}=5281.02÷π$
* $r^{2}=1681$
* $r=41cm$
* 82cm
 |
| Q3 | 74m | * $C=\frac{3}{4}πD$
* D=22
* $T=\frac{3}{4}π(22)+22$
* 74m
 |
| Q4 | (a) 982cm2(b) 129cm | * $A=\frac{1}{2}π(25)^{2}$
* A = 982cm2
* $C=\frac{1}{2}πD+D$
* $C=\frac{1}{2}π(50)+50$
* 129cm
 |
| Q5 | 264mm2 | * $A\_{T}=A\_{B}-A\_{S}$
* $16.5 and 12.5$
* $π(16.5)^{2}-π(12.5)^{2}$
* 364mm2
 |

23 marks