

## 10.6 ANSWER KEY

### (Objective 10.1)

| Qus. | 1 | 2 | 3 | 4 | 5 |
|------|---|---|---|---|---|
| Ans. | C | B | D | B | C |

### (Subjective 10.2)

1. 12 cm      2. 7 cm      3. 13 cm      4. 9.6 cm
6. 10 cm      7. 13.29 cm      8.  $4\sqrt{6}$  cm

### (Objective 10.3)

| Qus. | 1  | 2  | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|------|----|----|----|----|----|---|---|---|---|----|
| Ans. | A  | A  | C  | C  | C  | B | C | B | A | B  |
| A    | 11 | 12 | 13 | 14 | 15 |   |   |   |   |    |
| Ans. | A  | B  | C  | A  | B  |   |   |   |   |    |

### (Subjective 10.4)

1.  $b = 90^\circ, a = 45^\circ$       2.  $a = 5^\circ, b = 170^\circ$       3.  $a = 140^\circ, b = 70^\circ$
4.  $a = 40^\circ, b = 90^\circ$       6.  $x = 40, y = 60$
7.  $a = 40^\circ, b = 80^\circ$       8.  $a = 108^\circ$
11.  $p = 90^\circ - \frac{x}{2}, q = \frac{x}{2}, \text{ and } r = 90^\circ - \frac{x}{2}$