## Multiple Choice Questions

| Q1. | The perimeter of an equilateral triangle is 24cm.Its side length is | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | A | 6cm | B | 8cm | C | 4cm | D | 12cm |

| Q2. | The perimeter and area of square are numerically equal. Then the side length of square is | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | A | 2cm | B | 4cm | C | 6cm | D | 8cm |

| Q3. | From a square cloth of side 1m, a strip of length 60cm and breadth 40 cm was cut out. The area of left-over cloth is | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | A | $7.6m^2$ | B | $760cm^2$ | C | $76m^2$ | D | $0.76m^2$ |

| Q4. | The perimeter of a triangular garden is 57m.If two of its sides are 18m and 13m, then the measure of third side is | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | A | 25cm | B | 26cm | C | 31cm | D | 28cm |

| Q5. | The side of a square is 8cm.if the side is doubled, its new perimeter is | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | A | 48 cm | B | 32cm | C | 64cm | D | 40 cm |

| Q6. | Meera went to the park of 150m long and 80m wide. She took one complete round on its boundary. The distance covered by her is | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | A | 230m | B | 460m | C | 300m | D | 280m |

| Q7. | A wooden plank measures 6m in length and 3m in breadth. If 5 such wooden planks are arranged in order, then the area occupied by them is | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | A | $90m^2$ | B | $18m^2$ | C | $5m^2$ | D | $95m^2$ |

| Q8. | The dimensions of a picture are 30cm ×20cm.Find the length of wooden frame is needed to frame the picture? | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | A | 120cm | B | 110cm | C | 100cm | D | 90cm |

| Q9. | The area of shaded portion if the area of the triangle is 18m$^2$  |

**Q9.** The area of shaded portion if the area of the triangle is 18m$^2$



6m

10m

| | A | 36m$^2$ | B | 42m$^2$ | C | 14m$^2$ | D | 41m$^2$ |
|---|---|---|---|---|---|---|---|---|

**Q10.** How many square tiles with dimension 5cm can be fixed on a small surface whose length is 48cm and breadth is 25cm

| | A | 45 | B | 46 | C | 47 | D | 48 |
|---|---|---|---|---|---|---|---|---|

## Source-based Question

Swati decorated her study room as shown in figure .Based on the information answer the following questions



**Q11.** The perimeter of the regular hexagonal shaped shelf if its side measures 18cm.

| | A | 120cm | B | 90 cm | C | 118cm | D | 108 cm |
|---|---|---|---|---|---|---|---|---|

**Q12.** The area of black board if length is 82cm and breadth 45cm.

| | A | 3690cm$^2$ | B | 3960cm$^2$ | C | 3660cm$^2$ | D | 6390cm$^2$ |
|---|---|---|---|---|---|---|---|---|

**Q13.** Swati wants to decorate the wall with a triangular wall hanger with sides 30cm ,41cm and 22cm Find the perimeter of the wall hanger.

| | A | 95cm | B | 93cm | C | 98cm | D | 96cm |
|---|---|---|---|---|---|---|---|---|

**Q14.** She has a table cloth of length 85cm and breadth 70 cm. She needs to buy a lace for the table cloth. The length of the lace she needs to buy is

| | A | 320cm | B | 313cm | C | 301cm | D | 310cm |
|---|---|---|---|---|---|---|---|---|

**Q15.** How much she has to pay for the lace if one metre lace costs ₹ 1.25

| | A | ₹ 387.50 | B | ₹378.50 | C | ₹387.25 | D | ₹388.25 |
|---|---|---|---|---|---|---|---|---|

**CASE STUDY:**

Sudhir has a rectangular field of length 60 m and square field of length 50m ,both the fields has same perimeter.Based on the information ,answer the following queations

I.      What is breadth of rectangular field ?
II.     In both fields ,he plants a mango tree in each one square metre.Find the number of trees planted in square field.
III.    He wants to fence the rectangle field with 3 rows of barbed wire.find cost of the wire needed if 1 metre wire costs ₹10.50.

## ANSWERS

| 1. | A | 2. | B | 3. | D | 4. | B |
|---|---|---|---|---|---|---|---|
| 5. | C | 6. | B | 7. | A | 8. | C |
| 9. | B | 10. | D | 11. | C | 12. | A |
| 13. | B | 14. | D | 15 | A | | Case study:<br>I.40 m<br>II.2500<br>III. ₹6300 |