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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

VISUALISING SOLID SHAPES

SESSION -2024-25

CLASS - 7th

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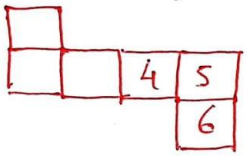
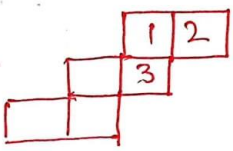
Add: Block -B, Near Glory Villa, 60 feet Road (Nearest land mark Scindia Statue), Shatabdipuram, Gwalior

Time : 1 hr : Visualising Solid Shapes :- mm.

Q. 1. Dice are cubes with dots on each face. Opposite faces of a die always have a total of seven dots on them.
Here are two nets to make dice (cubes) : the numbers inserted in each square indicate the number of dots in the box





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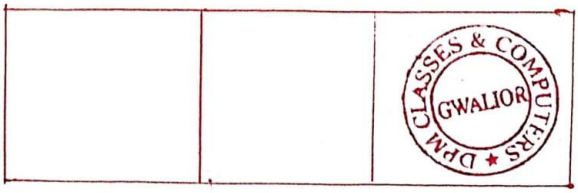
Insert suitable numbers in the blanks, remembering that the number on the opposite faces should total to 7.

Q. 2. Here is an incomplete net for making a cube. Complete it in at least two different ways. Remember that a cube has six faces. How many are there in the net here ?
(Give two separate diagrams. If like this may use a squared sheet for easy manipulation)



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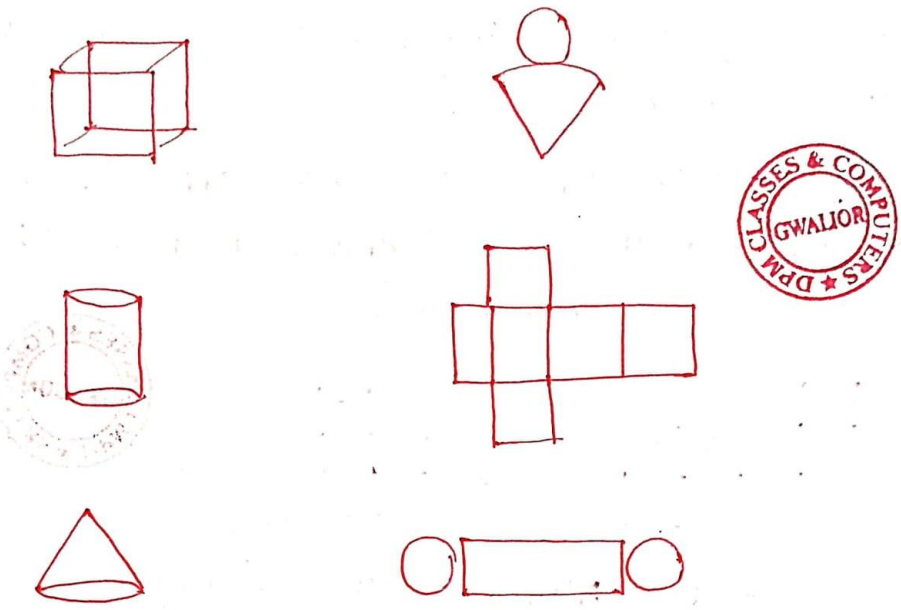
Q.3. match the nets with appropriate solids :



Q.4. The dimensions of a cuboid are 5 cm, 3cm and 2 cm. Draw three different isometric sketches of this cuboid.

Q.5. Three cubes each with 2 cm edge are placed side by side to form a cuboid. Sketch an oblique or isometric sketch of the cuboid.

Q.6. Give (i) an oblique sketch and (ii) an isometric sketch for each of the following:
· A cube with an edge 4cm long.

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Q.7. What cross-section do you get when you give a (i) vertical cut (ii) Horizontal cut to the following solids?
(i) An ice cream cone (ii) a dice.

Q.8. Examine if the following are true statements:
(i) The cube can cast a shadow in the shape of a rectangle.
(ii) The cube can cast a shadow in the shape of a hexagon.

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