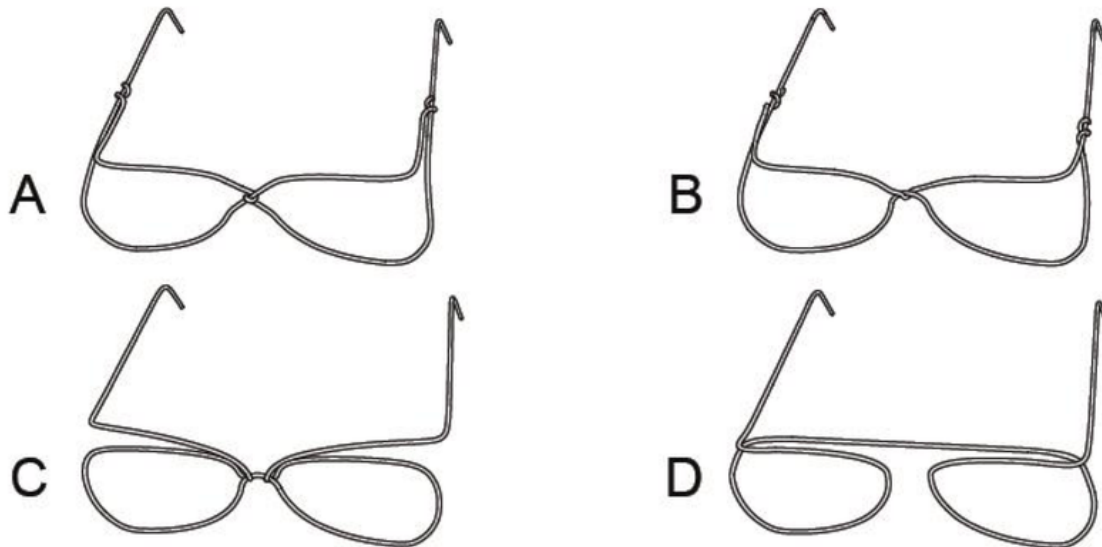
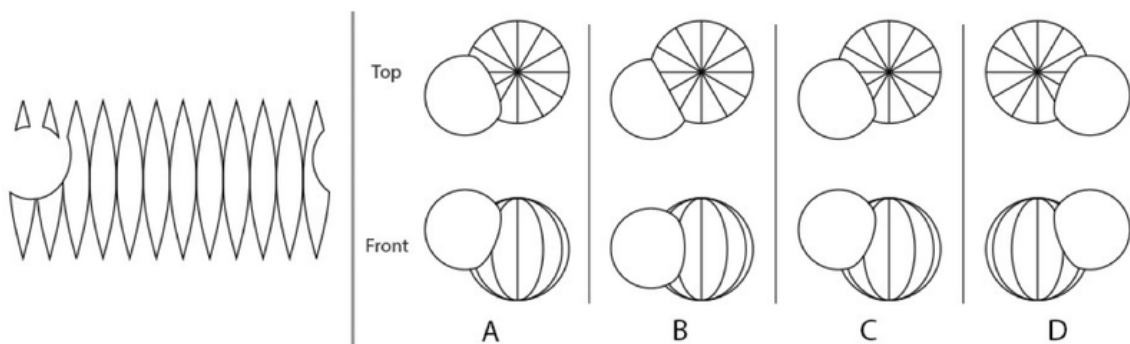


Q.01 Which of the options has / have been created by using only a single wire?



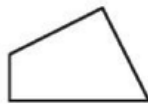
Q.02 Given on the left is the unwrapped surface of a hollow sphere that was intersected by a smaller solid sphere. Which of the options would result in this unwrapped surface?



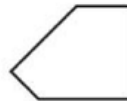
Q.03 Which of the pieces could be used four times individually to form a square? The pieces can be rotated and flipped but should not be overlapped.



A



B

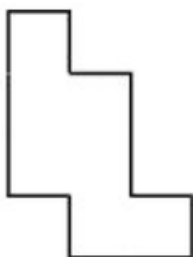
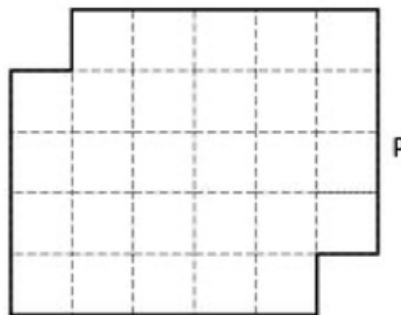


C

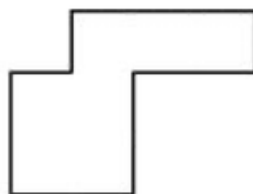


D

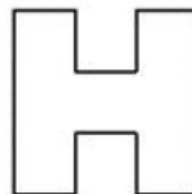
Q.04 Figure P can be created by tiling 4 identical pieces. The pieces should not overlap while tiling. Which of the pieces shown in the options can be used to create figure P, assuming that you can rotate and flip them?



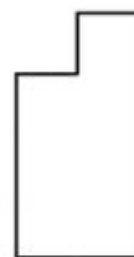
A



B



C



D

Q.05 Pressure cookers are sometimes made using copper and stainless steel. In such a pressure cooker,

- A. The bottom is made up of stainless steel and the rest is made up of copper because it is aesthetically pleasing.
- B. The bottom is made up of stainless steel and the rest is made up of copper because copper is a germicide.
- C. The bottom is made up of copper because it is a better conductor of heat compared to steel and hence it is more energy efficient.
- D. The bottom is made up of copper because that is the only way such a cooker can be heated using an induction stove.

Q.06 Sundays are longer than Mondays. Mondays are shorter than Fridays. Wednesdays are shorter than Saturdays, which are in turn shorter than Sundays. Thursdays are shorter than Saturdays. Tuesdays are longer than Saturdays. Wednesdays and Thursdays are both longer than Fridays. If all of these are true, which of the options is/are also TRUE?

- A. Wednesdays could be as long as Thursdays.
- B. Tuesdays could be the longest days of the week.
- C. Mondays are the shortest days of the week.
- D. Fridays could be as long as Sundays.

Q.07 Suresh, Biju and Tina bring one gift each. When they meet, they swap their gifts in such a way that no one gets back what they had brought with them. The gifts are, a book, a pen, and a ball.

Suresh says: I gave my gift to the one who gave away the ball.

Biju says: I received my gift from the one who gave gift to the one who gave away the ball.

Tina says: I got what I always wanted.

Biju says: But Tina, you had to give away your pen.

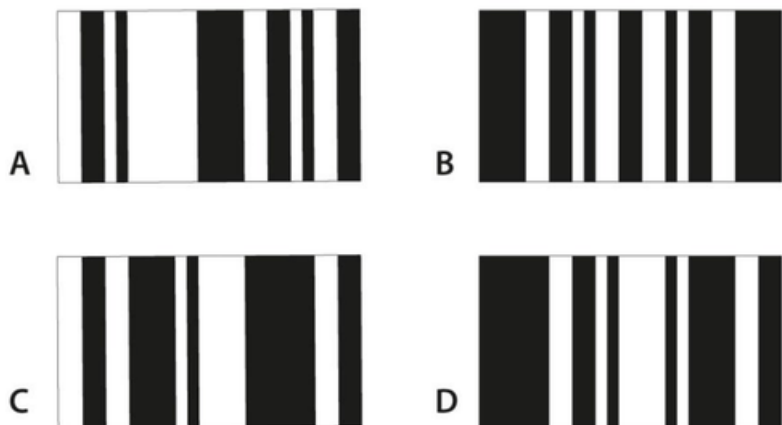
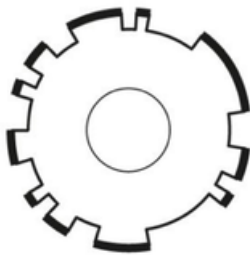
Which of these statements is/are TRUE?

- A. Tina gets the Ball
- B. Tina gets the Book
- C. Suresh gets the pen
- D. Biju gets the Book

Q.08 Which of the following words are similar in meaning?

- A. Scribble
- B. Doodle
- C. Nibble
- D. Feeble

Q.09 Shown below is a print roller. Which of the given option(s) is/are partly or fully printed using the roller?



Q.10 Which of the following is a/are river(s):

- A. Alakhnanda
- B. Parvati
- C. Vaigai
- D. Baralacha La