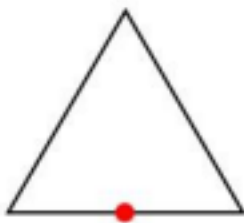


Q. 01 Centuries ago, a rich man left behind a treasure represented as a red dot, in the schematic drawing below. If the corners of the triangle represent central locations in the states of Bihar, Telangana and Rajasthan, which is / are the state(s) where one could hunt for this treasure?



- A. West Bengal
- B. Chhattisgarh
- C. Punjab
- D. Madhya Pradesh

Q. 02 Shown below is a cross-section of two different trees of same species and age but found in different locations. Based on the image, which of the statement(s) is/are TRUE.



X



Y

- A. Growth of the tree X is more consistent than tree Y
- B. Growth of the tree X is healthier than tree Y
- C. Climatic conditions could be the reason for the uneven ring structures in tree Y
- D. Growth of the tree Y is healthier than tree X

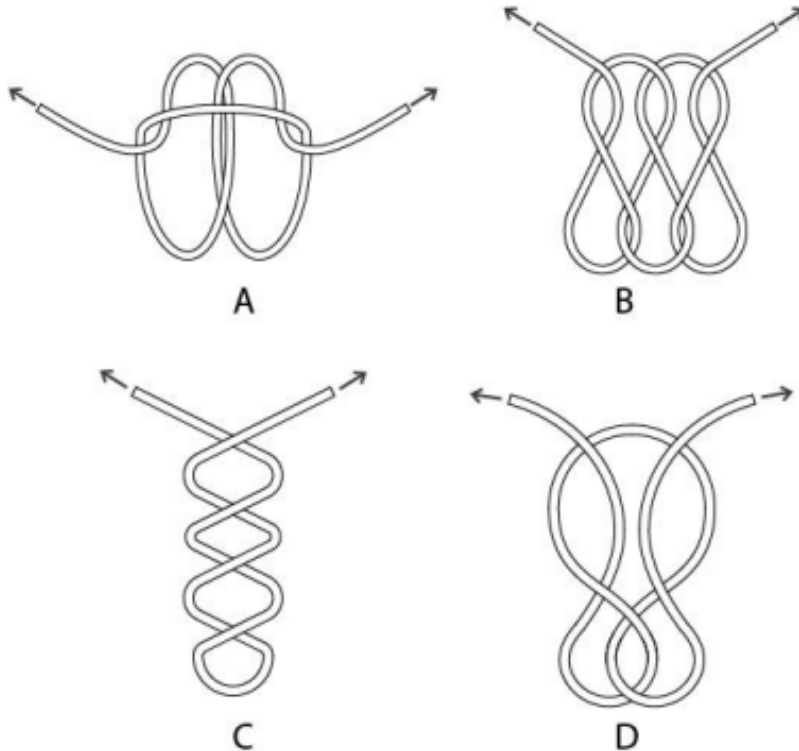
Q. 03 Which of the option(s) is/are from the same font family (i.e. weight and/or width variations) of the words given below?

मुद्राक्षर अभिकल्प

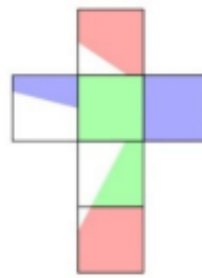
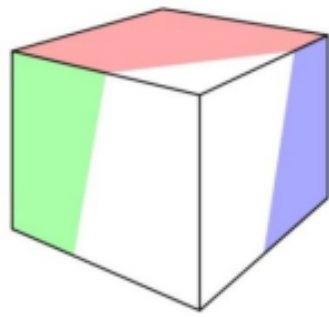
फेड वात धागा अकल

A B C D

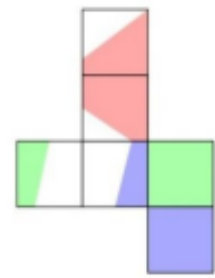
Q. 04 Which of the options will form a knot when both the ends are pulled outward?



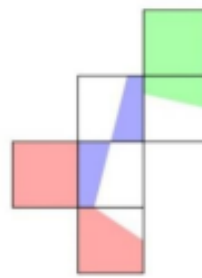
Q. 05 Which option(s) can be folded to form the cube shown?



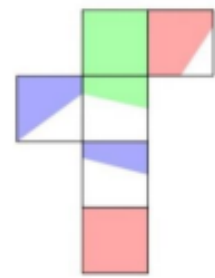
A



B

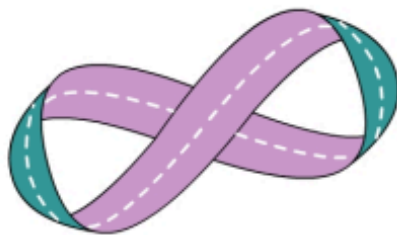


C



D

Q. 06 A paper strip with a different colour on each side is joined as shown in the figure. If this strip is cut along the dashed line, which of the options correctly represent(s) the result(s)?



A



B

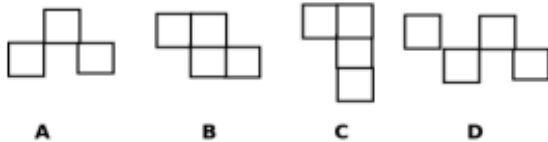
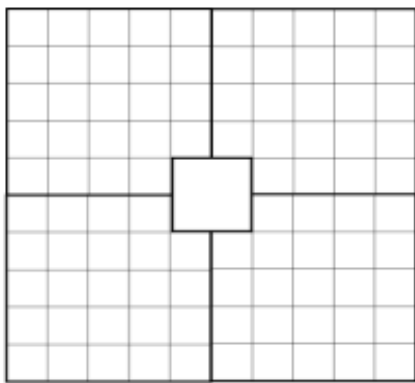


C



D

Q. 07 The grid of squares shown in the figure is to be tiled (covered with tiles) with the tiles shown in the options. The covering tiles must not overlap and should not have gaps around them. Only four squares in the middle are not to be tiled. Once a tile is chosen, other tiles must be of that type only. Tiles can be flipped and rotated if required. Which of the tiles can be used to tile the given grid?



Q. 08 Read the statements below:

All female and male natives in their country are strong.

Some men in their country are migrants.

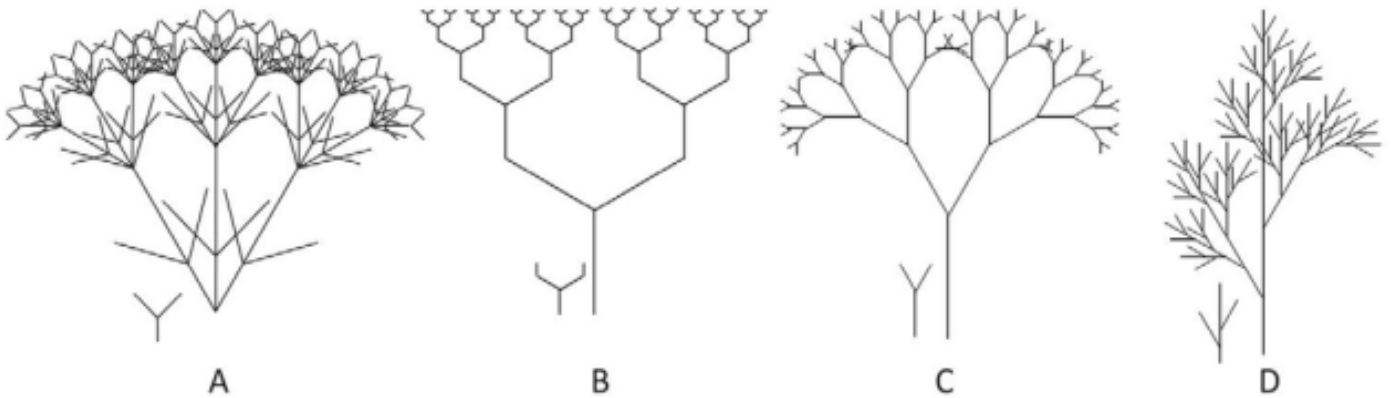
All migrants in their country are not strong.

Not all migrants are women.

Based on the above, which conclusion(s) stated in the options is/are valid?

- A. Some women in their country are strong.
- B. Some migrants in their country are men.
- C. Some people in their country are not strong.
- D. All strong people in their country are women.

Q. 09 Shown below are fractal images generated by the repetition and scaling of basic units (shown next to the fractal). Which of the option(s) has/have the correct basic unit?



Q. 10 Select the artwork(s) which is/are attributed to Leonardo Da Vinci:

