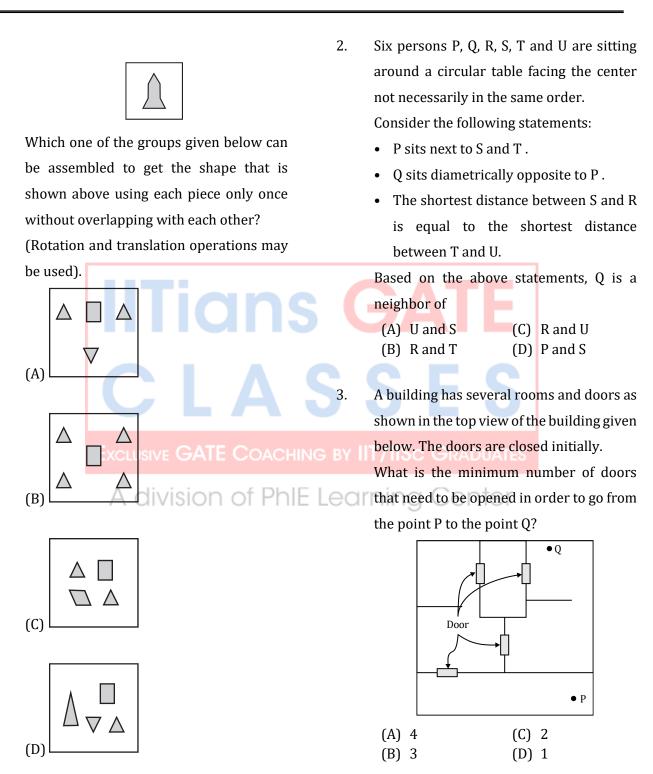


1.

SPATIAL APTITUDE

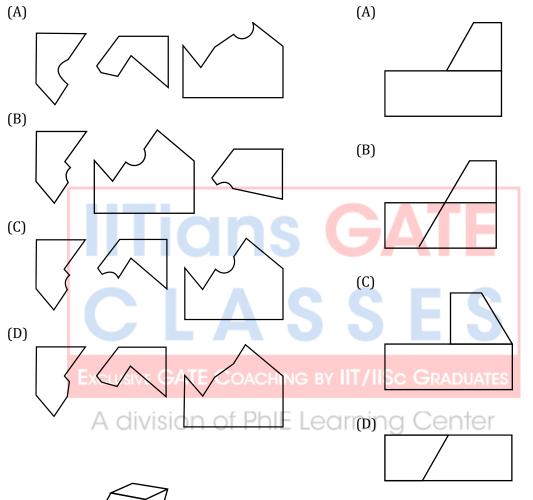




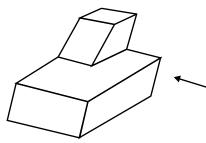
Assignment

General Aptitude

4. Which one of the following sets of pieces can be assembled to form a square with a single round hole near the center? Pieces cannot overlap. Which one of the following is the correct drawing of the view of the 3D object as viewed in the direction indicated by an arrow in the above figure?



5.

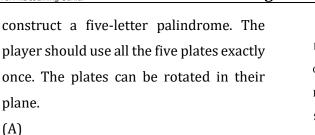


A block with a trapezoidal cross-section is placed over a block with rectangular cross section as shown above. 6. A palindrome is a word that reads the same forwards and backwards. In a game of words, a player has the following two plates painted with letters.

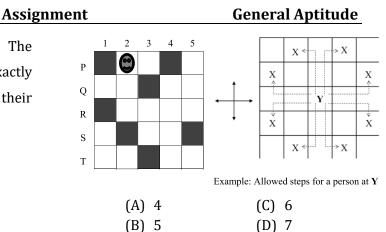


From the additional plates given in the options, which one of the combinations of additional plates would allow the player to





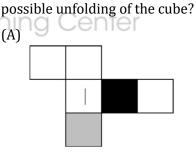
D D (B) R Я А (C) Ζ D

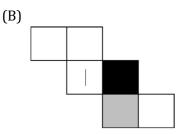


8.

(A)

Consider a cube made by folding a single sheet of paper of appropriate shape. The interior faces of the cube are all blank. However, the exterior faces that are not visible in the above view may not be blank. Which one of the following represents a





7. In the square grid shown on the left, a person standing at P2 position is required

to move to P5 position.

(D)

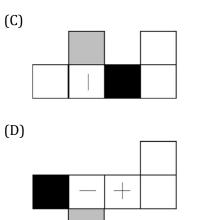
The only movement allowed for a step involves, "two moves along one direction

followed by one move in a perpendicular direction". The pcm1issiblc directions for movement arc shown as dotted arrows in the right

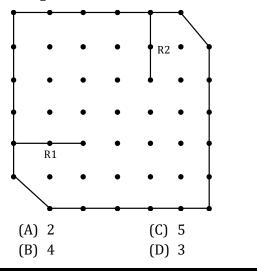
For example, a person at a given position Y can move only to the positions marked X on the right.

Without occupying any of the shaded squares at the end of each step, the minimum number of steps required to go from P2 to P5 is



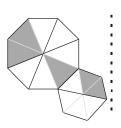


9. A plot of land must be divided between four families. They want their individual plots to be similar in shape, not necessarily equal in area. The land has equally spaced poles, marked as dots in the below figure. Two ropes, R1 and R2, are already present and cannot be moved. What is the least number of additional straight ropes needed to create the desired plots? A single rope can pass through three poles that are aligned in a earni straight line.



10.

Assignment



General Aptitude

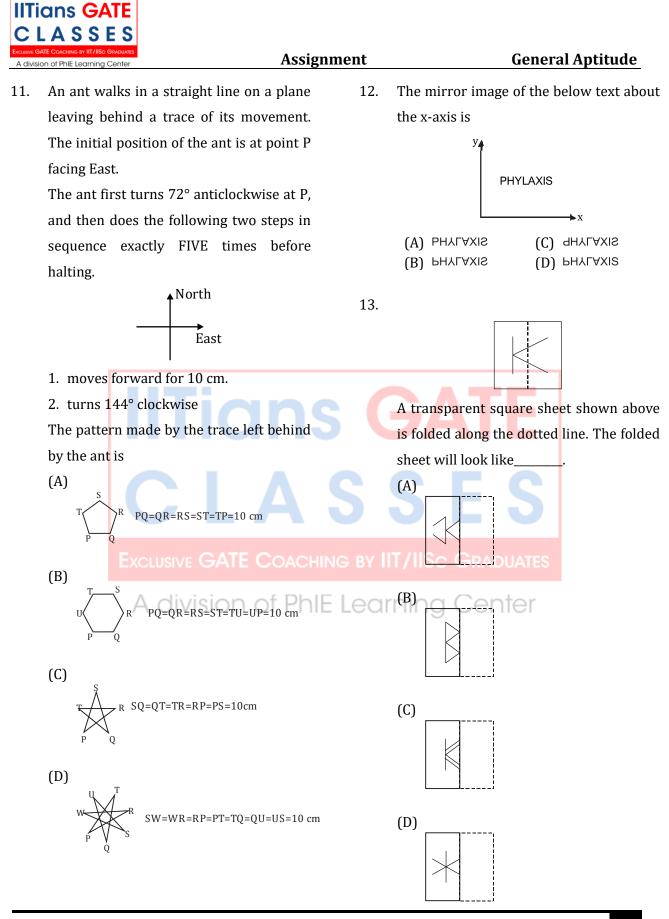
For the picture shown above, which one of the following is the correct picture representing reflection with respect to the mirror shown as the dotted line?

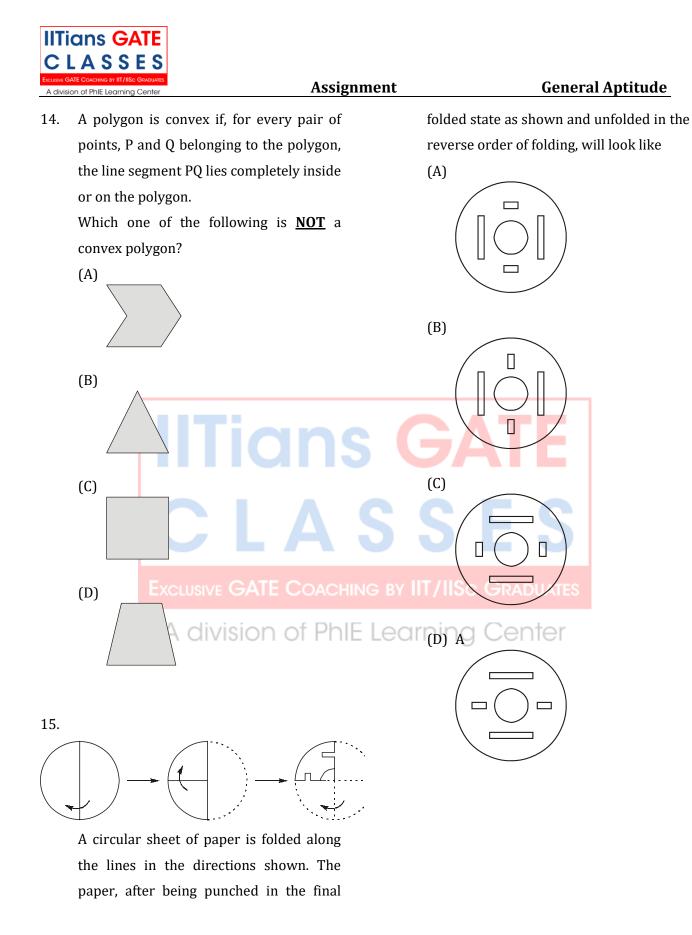
(A)

(B)

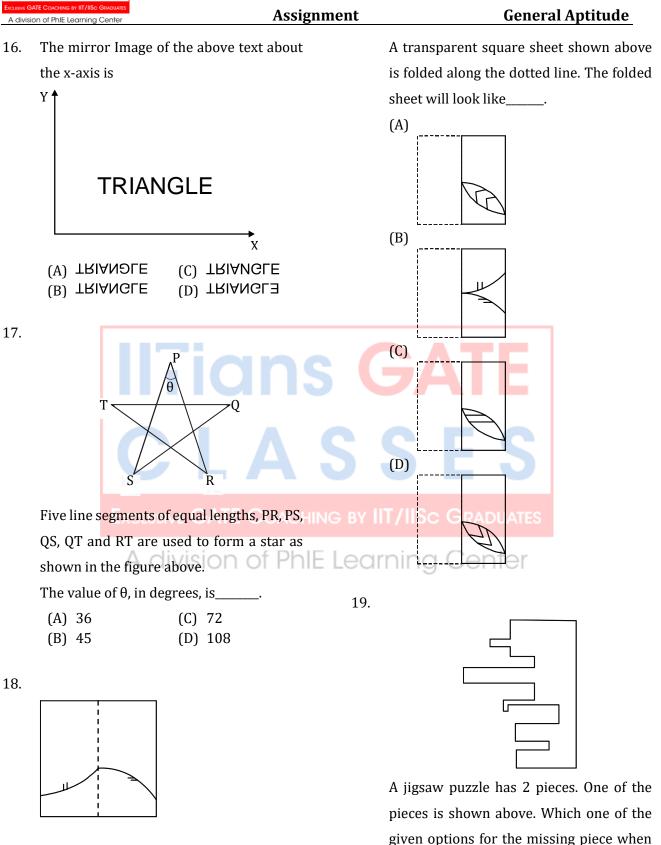
(C)

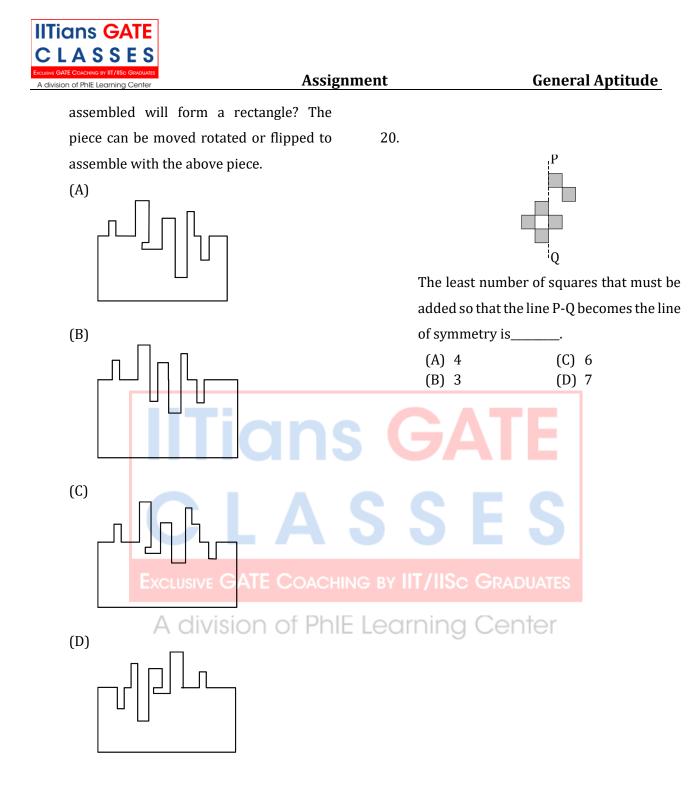
(D)













Assignment

| 1 | | B and C | |
|----|--------|--------------|----------------------------|
| 2 | | С | |
| 3 | | С | |
| 4 | | С | |
| 5 | | А | |
| 6 | | В | |
| 7 | | В | |
| 8 | | МТА | |
| 9 | | D | |
| 10 | | А | |
| 11 | | С | |
| 12 | | B | $C (-\Delta I - $ |
| 13 | | В | |
| 14 | | Α | |
| 15 | | С | C C F C |
| 16 | | B | JJLJ |
| 17 | | A | |
| 18 | XCLUSI | A GATE COAC | HING BY IIT/IISC GRADUATES |
| 19 | A di | Aision of Ph | IE Learning Center |
| 20 | | С | |