

SECTION 3: DATA SUFFICIENCY & LOGICAL REASONING

(40 QUESTONS)

Directions (101-105): Read the information given below and answer the questions

There are five race horses Abruzzi, Abnaki, Absinthe, Aachen and AJ Cook that finished a race not necessarily in this sequence.

- i. Abruzzi finished two positions before Abnaki.
- ii. AJ Cook finished after Aachen but not immediately before Absinthe
- iii. Absinthe followed Abruzzi and finished fourth

101. Which horse came second in the race?

- A) Abruzzi
- B) AJ Cook
- C) Aachen
- D) Abnaki

102. If the first and last positions in the race are interchanged, who finishes last?

- A) AJ Cook
- B) Abrussi
- C) Absinthe
- D) Aachen

103. If there is another horse Aron, that finishes second in the race, what will be the position of Aachen?

- A) Third
- B) Fourth
- C) Sixth
- D) First

104. If the positions are reversed after another horse Ambal finishing fifth in the race, which of the following horse finishes fourth?

- A) Absinthe
- B) Abrussi
- C) AJ Cook
- D) Achen

105. If the position of the middle horse remains unchanged and the top and bottom pair of horses interchange their positions, which of the horses finish fourth in the race?

- A) Abnaki
- B) Absinthe
- C) Aachen
- D) AJ Cook

Directions (106 –108): Read the following passage and answer the three questions that follow:

A Sports meet is being organized by AVN School. For the event, 7 players from the school have also been nominated (All these 7 attend the event is not necessary). Out of these P, Q and R are players of Football and T, U, V and W are players of Squash. At least 2 Football players should attend the meet. Q and T cannot attend the meet together, R cannot attend the meet with W, and T and V cannot attend the meet together.

106. If V is selected and Q is rejected, then which four players will attend the meet?

- A) P, R, T and V
- B) P, R, U and V
- C) P, R, V and W
- D) P, T, V and W

107. If Q is selected and V is rejected, then which of the following is a correct group of players attending the meet?

- A) P, Q, R and T
- B) P, Q, R and W
- C) P, Q, R and U
- D) P, T, V and W

108. If all the three Football players are selected, then how many combinations of four members can attend the meet?

- A) One
- B) Two
- C) Three
- D) Four

Directions (109 - 110): Study the following information carefully and answer the questions below.

A team of five for a tournament is to be selected from amongst five boys P, Q, R, S and T and four girls A, B, C, and D. Some criteria for selection are:-

- I. P and D have to be together.
- II. A cannot be put with C
- III. S and B cannot go together
- IV. R and T have to be together
- V. C cannot be put with Q

109. If two of the members have to be boys, the team will consist of —

- A) PQDAB
- B) PSDBC
- C) QSDCB
- D) RTDAB

110. If C be one of the members, the other members of the team are —

- A) ADPS
- B) BDPS
- C) BDRT
- D) DPRT

Direction for 111: Examine the following statements:

- I. I listen to the radio only if I am bored
- II. I am never bored when I have my sister's company.
- III. Whenever I go for shopping I take my sister along.

111. Which one of the following conclusions can be drawn from the above statements?

- A) If I am bored, I listen to the radio
- B) If I am bored, I seek my sister's company
- C) If I am not with my sister, then I'll listen to the radio
- D) If I am not bored, I do not listen to the radio.

112. If X walks less fast than Y, and Y walks as fast but not faster than Z; then, as compared to X, Z walks:

- A) slower than X
- B) faster than X
- C) with same speed as X
- D) Given data is not sufficient to determine

113. If I talk to my best friend, then I didn't need to take a pill for headache:

- A. I talked to my best friend
- B. I did not need to take a pill for headache
- C. I needed to take a pill for headache
- D. I did not talk to my best friend.

Answer choices

- A) AB
- B) DC
- C) CD
- D) AB and CD

114. "In the last T 20 Series, Virat Kohli was in great form and India won the match" is a true statement. Which of the following conclusion is correct?

- A) If Virat Kohli were not in great form in the last ODI India would not have won.
- B) In the last T 20 Series Virat Kohli was in great form.
- C) India did not win the match.
- D) India won the series.

115. "In the ensuing Panchayat polls, either OP Dhankar will get a massive mandate or dissidence in Haryana BJP intensify". This is a True statement. Which of following is not correct?

- A) OP Dhankar got a massive mandate but dissidence in Haryana BJP intensified.
- B) Dissidence in Haryana BJP actually faded out.
- C) OP Dhankar did not get a massive mandate in Panchayat polls.
- D) Panchayat polls did not throw up clear results.

116. In cricket, if 'how' is the name of the batsman (on stumps) and 'whose' the name of the bowler, then 'whom' is the name of the wicket keeper. Which of the following statement represents an accurate conclusion based on the above information?

- A) If who is not the batsman's name, then whom is not the wicket keeper's name.
- B) If whom is the wicket keeper's name, then who must be the batsman
- C) If whom is not the wicket keeper's name, then who is not the batsman.
- D) If who is not the wicket keeper's name, then who is not the batsman or when is not the bowler.

117. If the NDA Government moves forward in reforms process and the opposition parties support this approach then Indian economy should grow by more than eight percent annually during 2016-17 to 2020-21.

Suppose you are in 2022 and notice that Indian economy did not achieve eight percent growth, what conclusions can you draw?

- A) NDA government did not last till 2022.
- B) NDA government did not progress in reforms path.
- C) Opposition parties continued to be hostile to reform.
- D) The NDA government did not move forward on reforms or the opposition parties did not support reforms or both these happened.

118. A couple of years back a journalist wrote:

“Either CPI (M) general secretary Sitaram Yechury will evolve a new style of leadership or CPI (M) mass-base is surely going to erode’. It is a fact that Sitaram Yechury did not change his leadership style.

What conclusion can you draw from these facts, assuming that the journalist was right?

- A) CPI (M) in future might lose its popular base.
- B) CPI (M) has become more popular.
- C) CPI (M)’s socialistic line has hit new roadblocks.
- D) CPI (M) has lost its popular support but for different reasons not related to Sitaram Yechury’s leadership.

119. If Ramit attends the event then Rahul, Harshit and Vineet will also attend the event. Assuming that the above statement is true then which of the following must also be true?

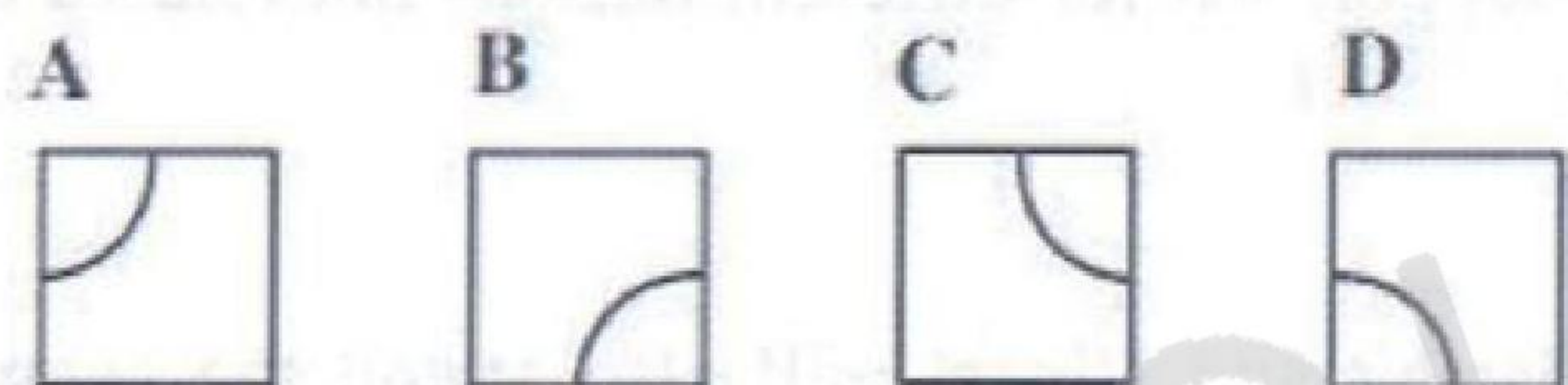
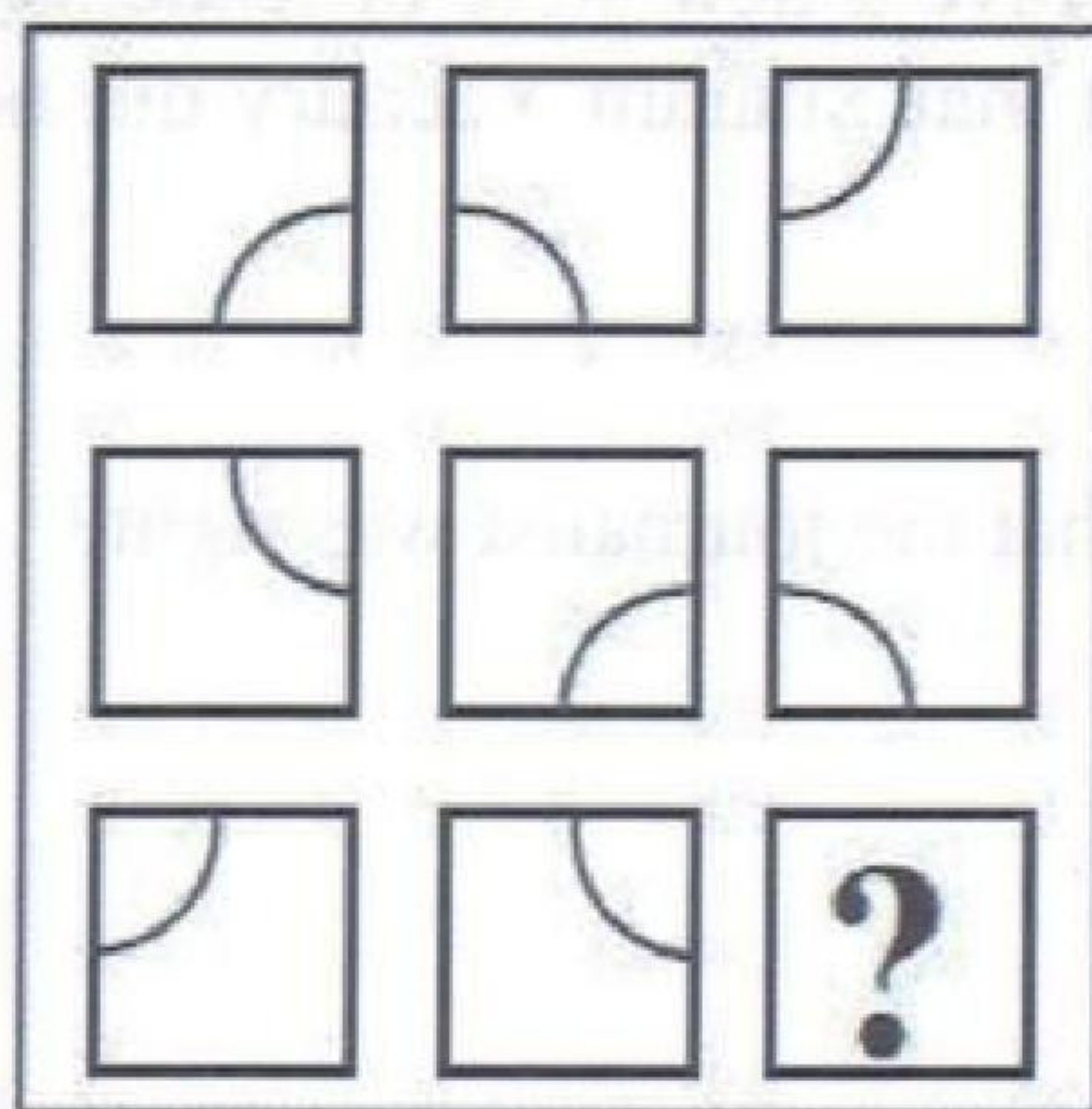
- A) If Ramit does not attend the event then Rahul does not attend the event.
- B) If Rahul, Harshit and Vineet attend the event then Ramit will attend the event.
- C) If Harshit does not attend the event then Vineet does not attend either.
- D) If Rahul does not attend the event then Ramit is not going to attend the event.

120. “If exchange rate stays at present level or lower and industry performance does not deteriorate and Europe economy does not take a down turn then bull run in stock market will continue” is a true statement. Moreover, you are told that bull run did not continue. Then what conclusion will follow?

- A) Exchange rate did not stay at or below the stipulated level.
- B) Industry performance since then deteriorated.
- C) Europe growth rate dropped.
- D) At least one of (A), (B) And (C)

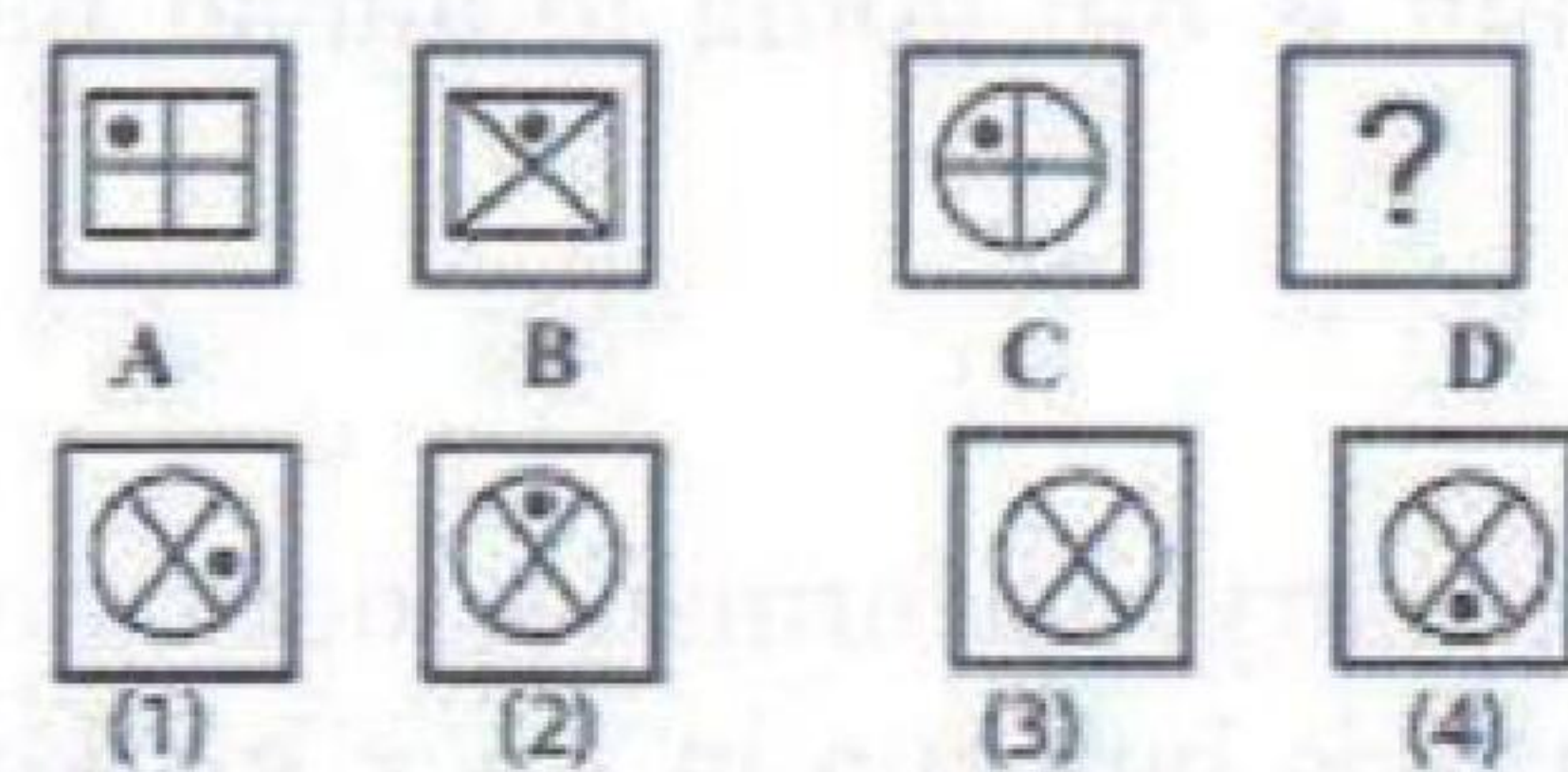
Directions (For Questions 121 to 125) : Choose appropriate figure from the given options so as to fit logically in place of the question mark (?)

121.



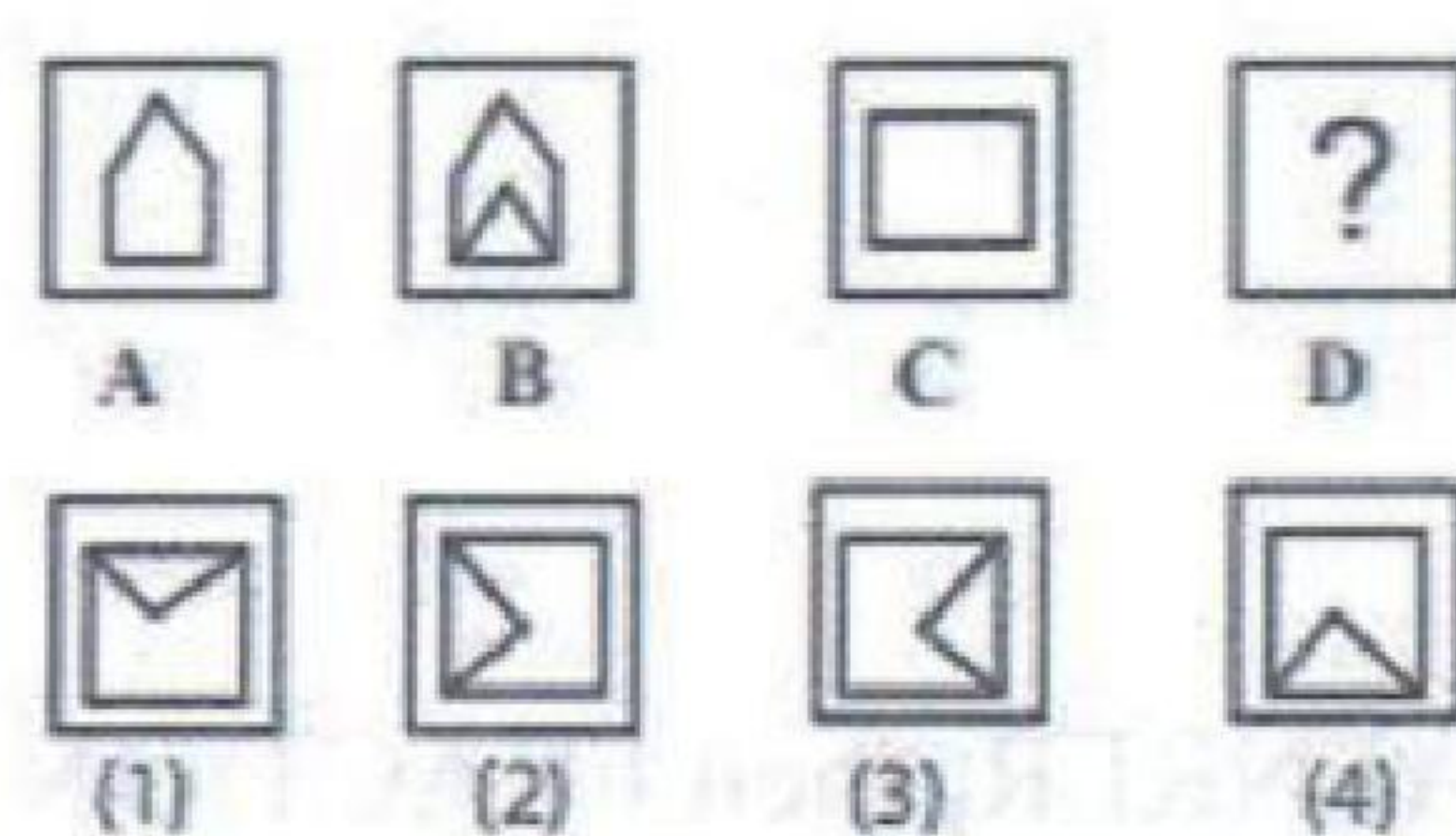
- A) A
B) B
C) C
D) D

122.



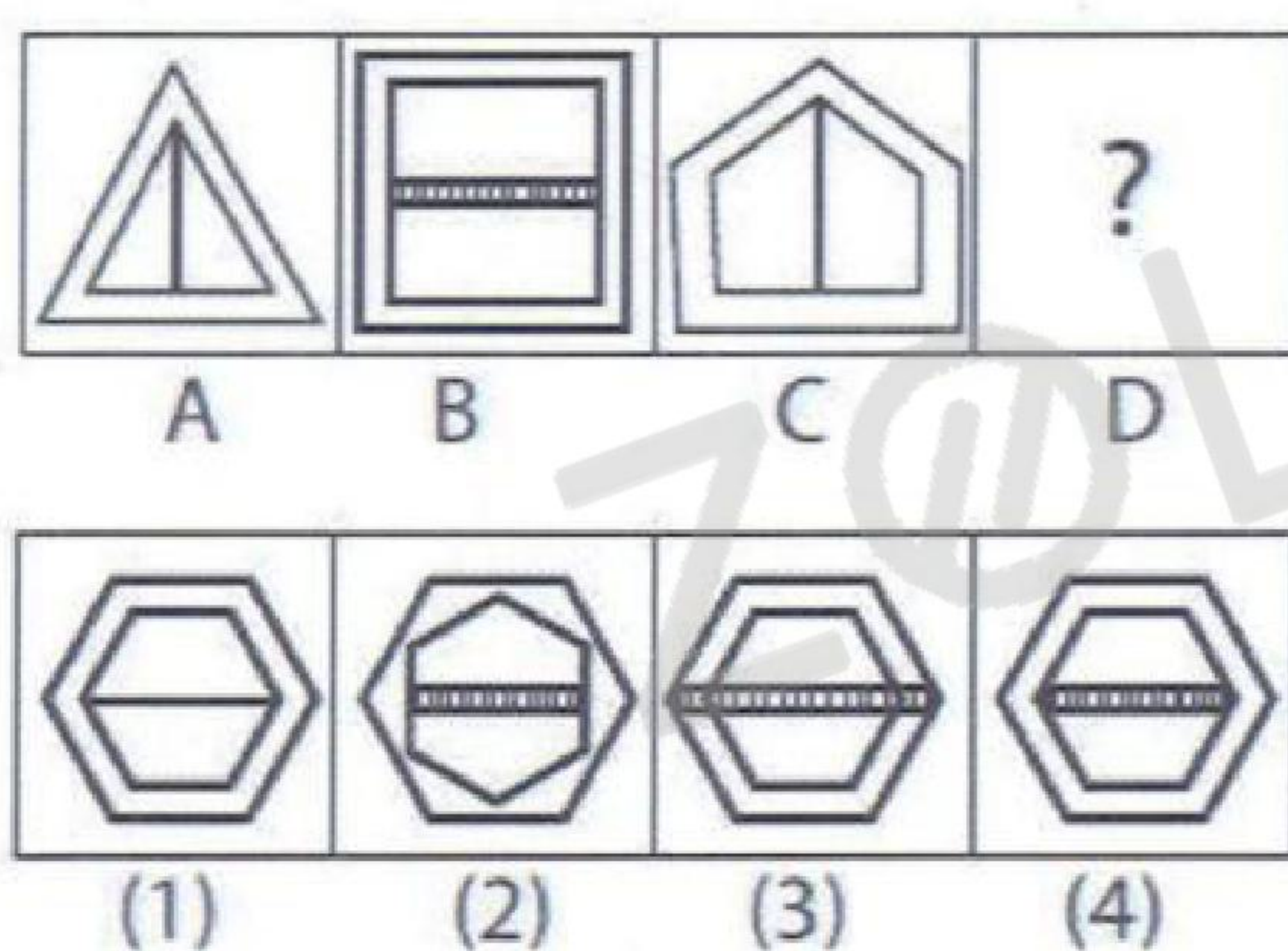
- A) 1
B) 2
C) 3
D) 4

123.



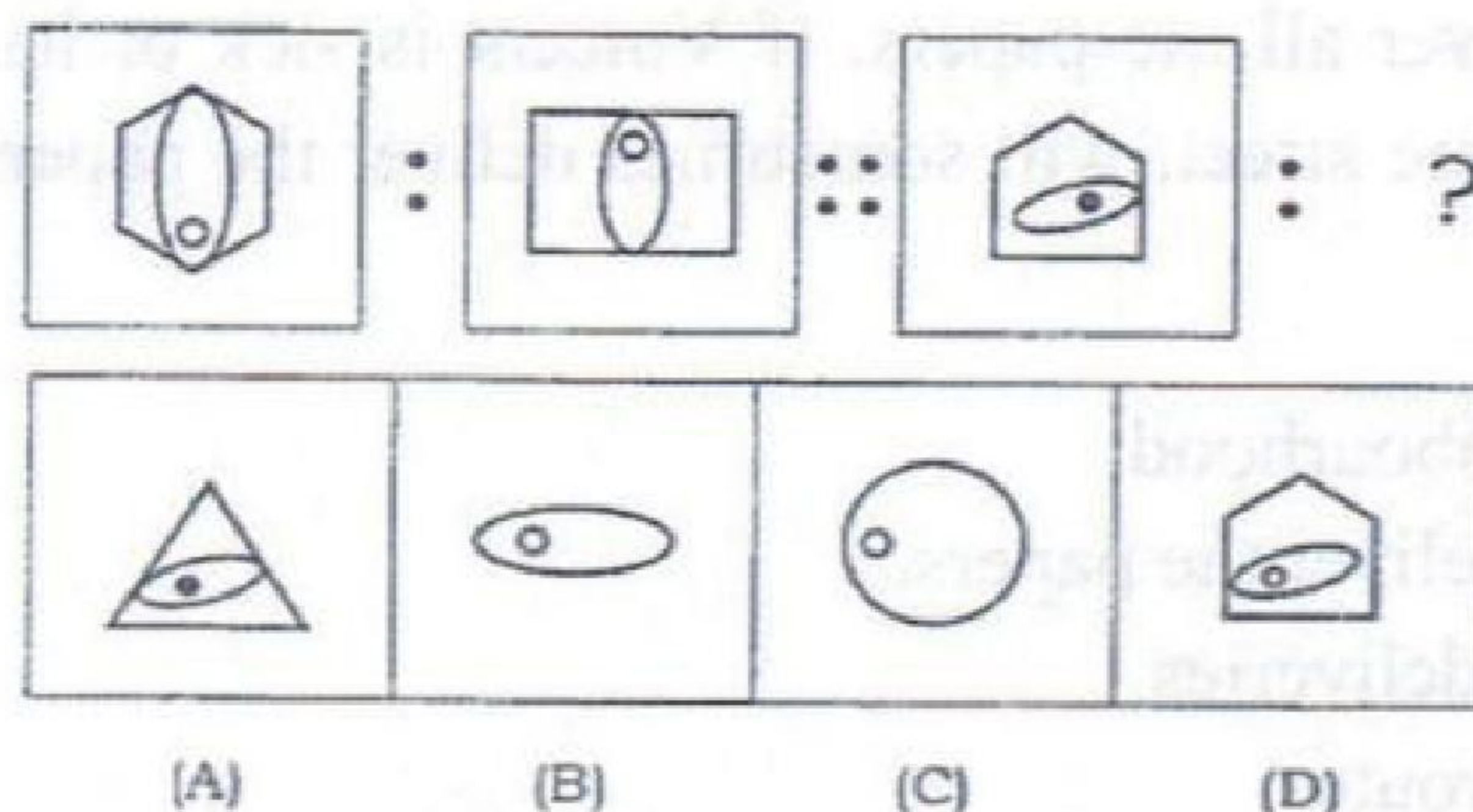
- A) 1
B) 2
C) 3
D) 4

124.



- A) 1
B) 2
C) 3
D) 4

125.



- A) A
- B) B
- C) C
- D) D

126. If SYSTEM is written as SYSMET and NEARER is written as AENRER, then FRACTION will be coded as

- A) Carfnoit
- B) Carftion
- C) Noitfrac
- D) Fracnoit

127. The words in the first column are written in a secret code in the second column. However, the secret writings in the second column are not in the same order. What is the code assigned for the letter D ?

BRAIN 13529
DRAIN 35293
RIVER 13754
DRIVE 83754

- A) 3
- B) 5
- C) 1
- D) 9

Directions (For Questions 128 and 129) : Find the statement that must be true according to the given information .

128.

Vincent has a paper route. Each morning, he delivers 37 newspapers to customers in his neighbourhood. It takes Vincent 50 minutes to deliver all the papers. If Vincent is sick or has other plans, his friend Thomas, who lives on the same street, will sometimes deliver the papers for him.

- A) Vincent and Thomas live in the same neighbourhood.
- B) It takes Thomas more than 50 minutes to deliver the papers.
- C) It is dark outside when Vincent begins his deliveries.
- D) Thomas would like to have his own paper route.

129. Tim's commute never bothered him because there were always seats available on the train and he was able to spend his 40 minutes comfortably reading the newspaper or catching up on paperwork. Ever since the train schedule changed, the train has been extremely crowded, and by the time the doors open at his station, there isn't a seat to be found.

- A) Tim would be better off taking the bus to work.
- B) Tim's commute is less comfortable since the train schedule changed.
- C) Many commuters will complain about the new train schedule.
- D) Tim will likely look for a new job closer to home.

130. Choose the alternative which closely resembles the water-image of the given combination.

US91Q4M5W3

(1) 3M2W4Q1S9U

(3) 3M2W4Q1S9U

(2) 3M2W4Q1S9U

(4) 3M2W4Q1S9U

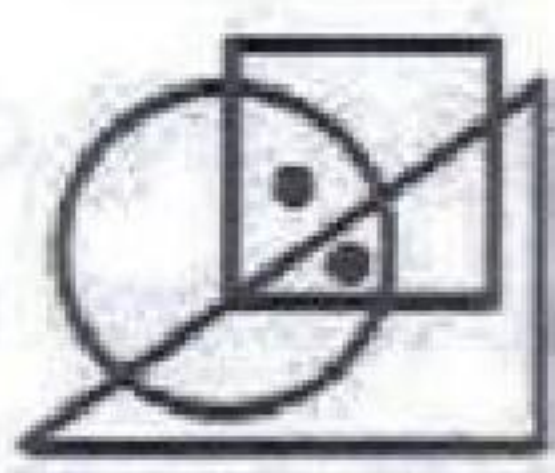
A) 1

B) 2

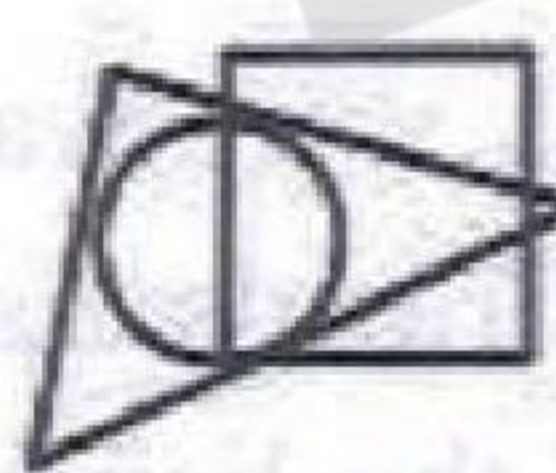
C) 3

D) 4

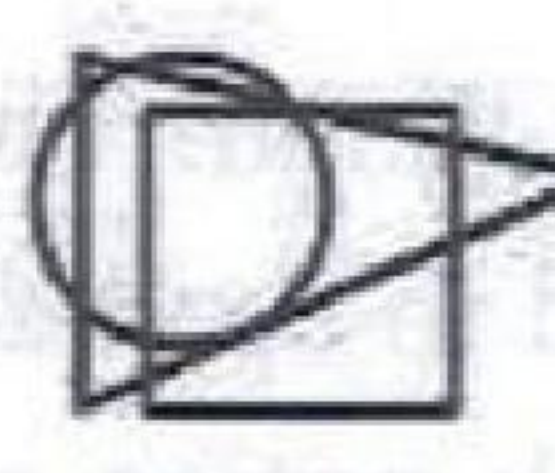
131. From amongst the figures marked (1), (2), (3) and (4), select the figure which satisfies the same conditions of placement of the dots as in figure (X) :



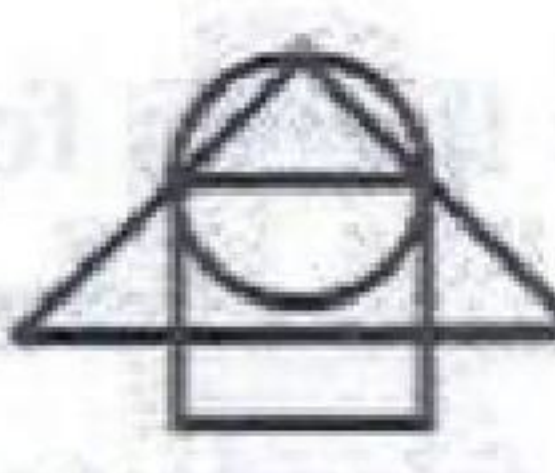
(X)



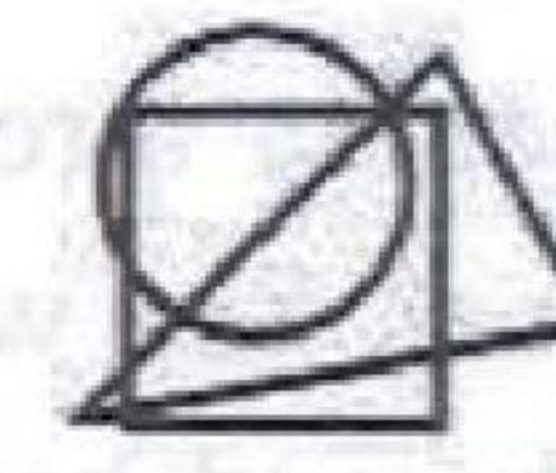
(1)



(2)



(3)



(4)

A) 1

B) 2

C) 3

D) 4

Directions (For Questions 132 and 133) : Each question has an underlined word followed by four answer choices. You will choose the word that is a necessary part of the underlined word.

132. harvest

A) autumn

B) stockpile

C) tractor

D) crop

133. language

A) tongue

B) slang

C) writing

D) words

Directions (For Questions 134 and 135) : Each question presents a situation and asks you to make a judgment regarding that particular circumstance. Choose an answer based on given information.

134. Eileen is planning a special birthday dinner for her husband's 35th birthday. She wants the evening to be memorable, but her husband is a simple man who would rather be in jeans at a baseball game than in a suit at a fancy restaurant. Which restaurant below should Eileen choose?

A) Alfredo's offers fine Italian cuisine and an elegant Tuscan decor. Patrons will feel as though they've spent the evening in a luxurious Italian villa.

B) Pancho's Mexican Buffet is an all-you-can-eat family style smorgasbord with the best tacos in town.

C) The Parisian Bistro is a four-star French restaurant where guests are treated like royalty. Chef Dilbert Olay is famous for his beef bourguignon.

D) Marty's serves delicious, hearty meals in a charming setting reminiscent of a baseball clubhouse in honor of the owner, Marty Lester, a former major league baseball all-star.

135. Mrs. Carson took a taxi to meet her three friends for lunch. They were waiting for her outside the restaurant when she pulled up in the car. She was so excited to see her friends that she left her tote bag in the taxi. As the taxi pulled away, she and her friends took notice of the license plate number so they would be able to identify the car when they called the taxi company.

1: The four women seem to agree that the plate starts out with the letter J.

2: Three of them agree that the plate ends with 12L.

3: Three of them think that the second letter is X, and a different three think that the third letter is K.

The four license plate numbers below represent what each of the four women thinks she saw. Which one is most likely the license plate number of the taxi?

A) JXK 12L

B) JYK 12L

C) JXK 12I

D) JXX 12L

Directions (For Questions 136 and 137) : In these series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the middle of the series or end of the series.

136. $ZA_5, Y_4B, XC_6, W_3D, \underline{\hspace{1cm}}$

A) E_7V

B) V_2E

C) VE_5

D) VE_7

137. $DEF, DEF_2, DE_2F_2, \underline{\hspace{1cm}}, D_2E_2F_3$

A) DEF_3

B) D_3EF_3

C) D_2E_3F

D) $D_2E_2F_2$

Directions (For Questions 138 to 140): Use the following information to answer the questions –

A, B, C, D, E, F, and G are seven persons who travel to office everyday in a particular metro train which stops at five stations – Kashmere Gate, Rajiv chowk, INA, AIIMS and Qutab Minar respectively – after it leaves the base station.

- I. Three among them get in the metro at the base station.
- II. D gets down at the station next to the station at which F gets down.
- III. B does not get down either with A or E.
- IV. G alone gets in at INA and gets down with C after having passed one station.
- V. A travels between only two consecutive stations and gets down at Qutab Minar.
- VI. None of them gets in at Rajiv chowk.
- VII. C gets in with F but does not get in with either B or D.
- VIII. E gets in with two others and gets down alone after D.
- IX. B and D work in the same office and they get down together at INA.
- X. None of them gets down at Kashmere Gate.

138. At which station does E get down?

- A) Rajiv Chowk
B) INA
C) AIIMS
D) Data inadequate

139. At which station do C and F get in?

- A) Kashmere gate
B) Qutab Minar
C) INA
D) Data inadequate

140. After how many stations does E get down?

- A) one
B) Two
C) Four
D) Data inadequate