

# IFAS CSIR NET

## Logical Deduction



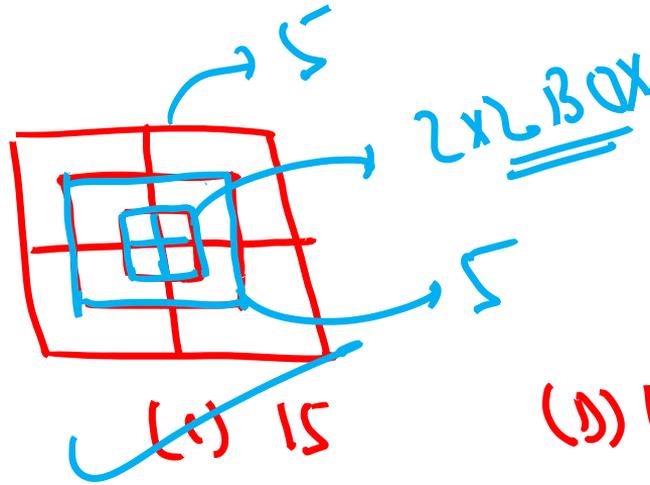
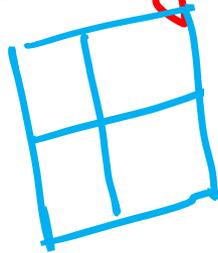
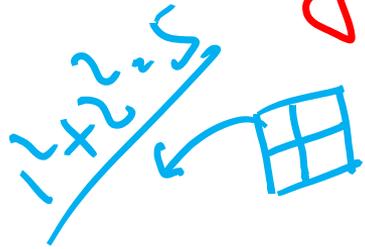
India's No **1** for NEET, IIT-JAM, GATE and NET Exams

[www.ifasonline.com](http://www.ifasonline.com)

9172266888



Q.2 Count the number of squares in the given figure:



(A) 8

(B) 12

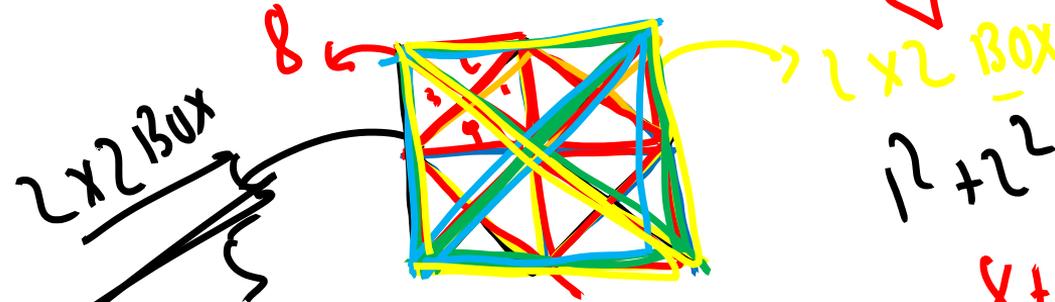
(C) 15

(D) 18

$$5 + 5 + 5 = 15$$



Q.1 Count the number of triangles and squares in the given figure:



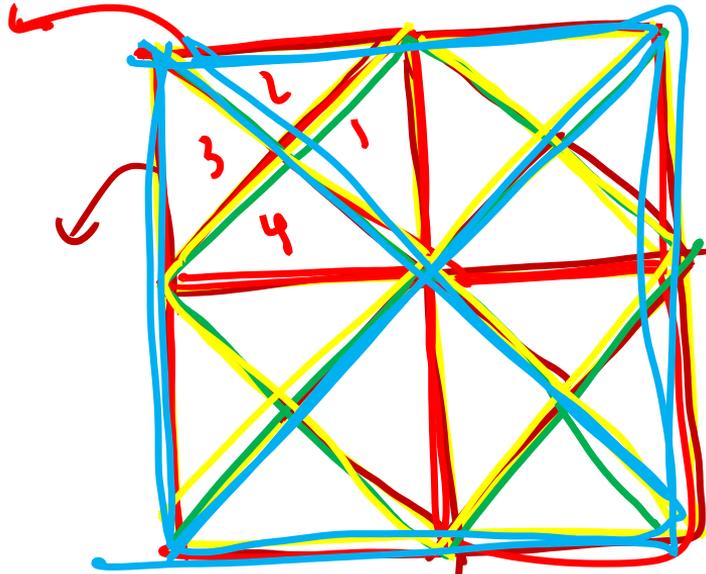
$$2 + 2^2 = 5$$

$$\begin{array}{r}
 8 + 8 + 8 + 8 + \underline{2 + 2} \\
 \hline
 32 + 2 + 2 \\
 \hline
 \underline{\underline{4}}
 \end{array}$$

- (A) 44 triangles, 10 squares
- (B) 14 " , 16 "
- (C) 27 " , 6 "
- (D) 36 " , 9 "



4x2  
= 8  
||  
8  
||  
15



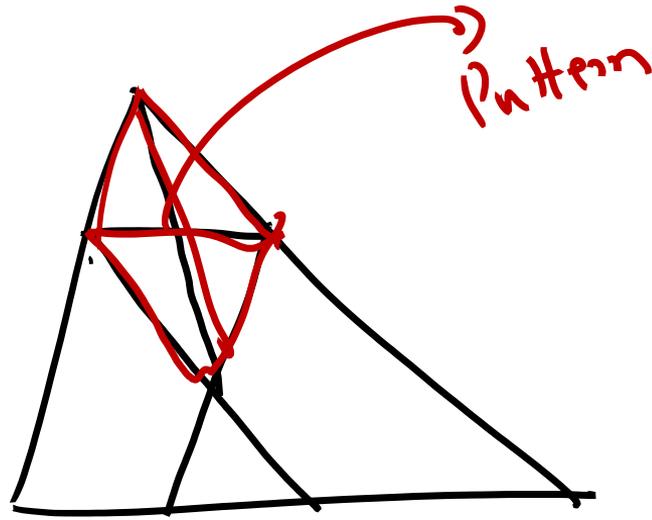
$2 \times 2 = 5$

Squares. 5+5  
= 10

$$\begin{array}{r} (4 \times 8) + 2 + 2 \\ \hline 32 \quad + 2 + 2 \\ \hline 8 \end{array}$$

$$+ 4$$

= 44





Q.1 Each of the following pairs of words hides a number, based on which you can arrange them ascending order. Pick the correct answer. (CSIR)

(I) Cloth reel      (J) Silent Wonder → 2  
 (K) Good tone      (L) Bronze rod → 0

(1) ~~L, K, J, I~~      (2) I, J, K, L      (3) K, L, J, I  
 (4) K, J, I, L

Handwritten annotations: A '3' with an arrow points to the first pair. A '1' with an arrow points to the second pair. A '2' with an arrow points to the number '2' in the first pair. A '0' with an arrow points to the number '0' in the second pair.



Q.2 Arrange the below in ascending order based on the number hidden in them:

(A) Tintel event 11

(C) Good height 8

(B) Man in England 9

(D) Let encounter 10

- (1) A, B, C, D
- (2) ~~C, B, D, A~~
- (3) A, C, D, B
- (4) C, D, B, A



Q.3 ✓

The clue is hidden in this <sup>ninth</sup>

statement: read the note headed  
to Sherlock by Moriarty who hid the

stolen treasure in one of the  
pillars. Which pillar is it?

(LSTR)

(1) X

(3) III

(2) II

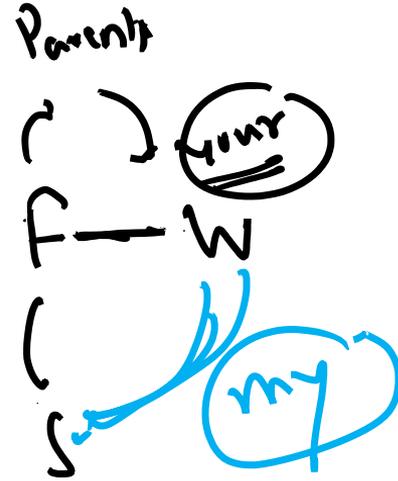
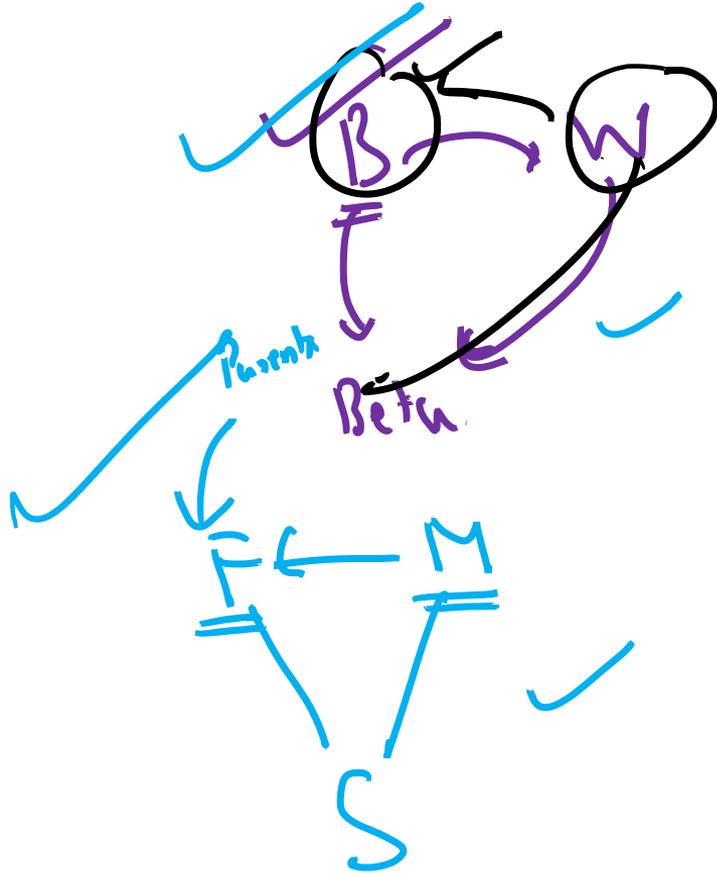
(4) IX



Q. 4  
=

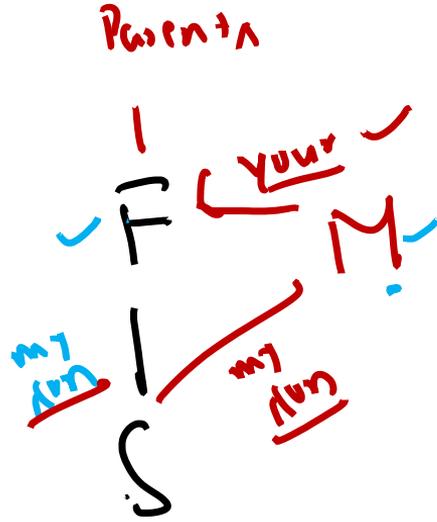
The statement "The father of my son is the only child of your parents" (CSTR)

- (1) can never be true
- (2) is true in only one type of relation
- (3) can be true for more than one type of relation
- (4) can be true only in a polygamous family.





Diagrammatic approach



Speaker → Listener



Q. 5 Pointing towards a man in the photograph, lady said "the father of his brother is the only son of my mother". How is the man related to the lady?

(CSEIR)

(1) Brother

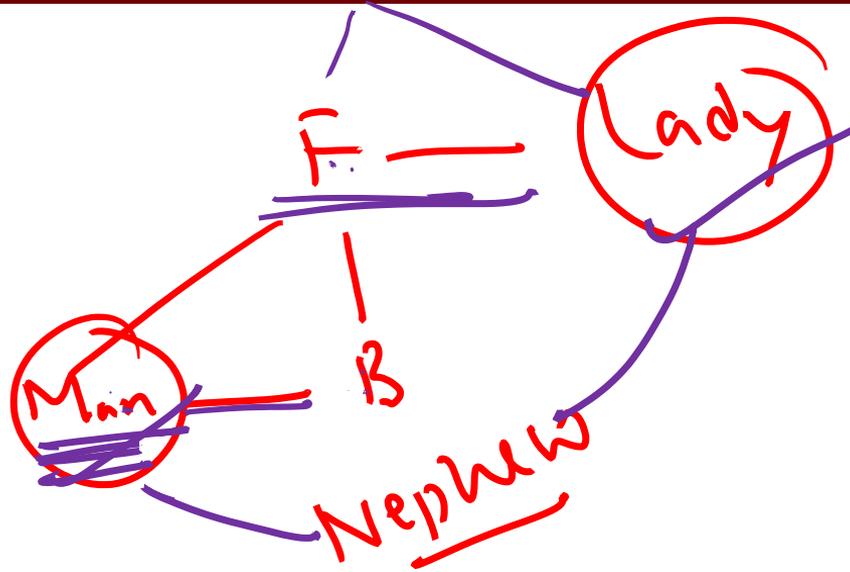
(2) Son

(3) Cousin

~~(4) Nephew~~



Diagram





Q.6 A notebook contains only hundred statements as under:

- X1 This notebook contains 1 false statement.
- X2 This " " 2 false statements
- ...
- ~~99 " " " " 99 " "~~
- X100. " " " " 100 " "



Which of the statements is correct?

(CSIR)

(1) 100th

(3) 99th

(2) 1st

(4) 2<sup>nd</sup>





Q. 7. Which of the following is logically  
incorrect? (LSIR)

- X (1) I always speak the truth ✓
- X (2) I occasionally lie ✓
- X (3) I occasionally speak the truth ✓
- (4) I always lie ✓



Q.8 ~~X~~ My friend Raju has more than 1000 books "said Ram. (CSTR)

~~X~~ "Oh no, he has less than 1000 books" said Shyam.  
 "Well, Raju certainly has at least one book".

said Geeta.  
 If only one of these statements is true, how many books does Raju have?

- ~~X~~ (A) 1      (B) 1000      ~~X~~ (C) 999      ~~X~~ (D) 1001



Q.9) A tells only lies on Monday, (SIR)  
 = Tuesday and Wednesday and speaks  
 only the truth for rest of the week.  
 B tells only lies on Thursday, Friday and  
 Saturday. and speaks only the truth  
 for rest of the week. If today both  
 of them state they have lied yesterday. What  
 day is it today? (1) Monday (2) Thursday (3) Sunday  
 (4) Tuesday



Lie - 1  
truth - 0  
A

B

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
A	1	1	1	0	0	0	0
B	0	0	0	1	1	1	0

g Lied yesterday?





Q.10 L is the tallest and eldest of a group of five people K, L, M, N and P. M is older to N and shorter than K. M and P are of same age and P is taller than L, N and K are of same height and K is younger to P.

Which of the following inferences is certain?



(1) P is taller than M

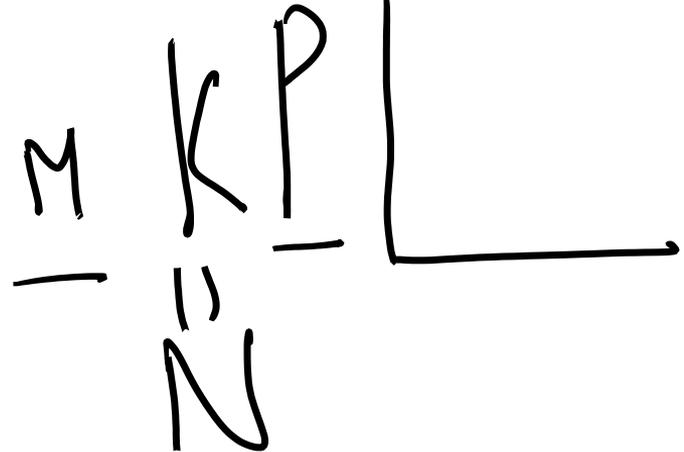
X (2) N is the youngest

X (3) N is elder to P

X (4) N is elder to K.

Age

Height





HAPPY LEARNING

THANKS



India's No 1 for NEET, IIT-JAM, GATE and NET Exams

[www.ifasonline.com](http://www.ifasonline.com)

9172266888