



**THINK BIGGER**

**INFOSYS**

**NUMERICAL ABILITY**

**2023 BATCH**



**INNATE TALENT**

TRANSFORMING FUTURE

# INFOSYS - PATTERN

2

SECTIONS NO	SECTION NAME	NO OF QUESTIONS	DURATION
I	REASONING ABILITY	15	25
II	MATHEMATICAL ABILITY	10	35
III	VERBAL ABILITY	20	20
IV	PSEUDOCODE	5	10
V	PUZZLE SOLVING [NUMERICAL PUZZLES]	4	10

**Note:**

1. Previously answered questions cannot be revisited.
2. Next Question can't be accessed until the current question is answered/skipped.
3. No negative marking

Amit and Vivek are children of Shruti, who is the wife of Rahul , Ritika who is unmarried, is the only maternal aunt of Amit, and Rahul has no daughters. How was Ritika related to Rahul?

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- a) Mother's sister
- b) Sister
- c) Mother
- d) Wife's sister



Arrange the following words as per order in the dictionary

4

1. Perform 2. Perfect 3. Period 4. Permit 5. Perceive

a) 5,1,2,3,4

b) 5,1,2,4,3

c) 5,2,1,4,3

d) 5,2,1,3,4



Arpita started cycling towards south direction for 8km, turned right and cycled 4km then again turned right and cycled 8km, from there she took left turn and cycled 8km. In which direction she is from the starting point?

- a) South
- b) West
- c) East
- d) North



If '\$' means addition , '@' means 'subtraction, '#'means 'multiplication", and "&" means "division".

6

What will be the value of the following expression

**54&5#2\$8@2**

- a) 24
- b) 25
- c) 31
- d) 32



In a class, Rahul's rank from top is 12 and Rakesh's rank from bottom is 27. If they interchange their positions, Rahul's rank becomes 18th from the top. How many students are there in the class?

7

- a) 42
- b) 44
- c) 45
- d) 46



If '+' means '-', '-' means '÷', '÷' means 'x' and 'x' means '+'.  
8

Which of the following will be the value of the expression?

$$117 - 13 \div 4 + 24 \times 26$$

a) 36

b) 48

c) 34

d) 38





If '+' means 'x', '÷' means '+', '-' means '÷' and 'x' means '-'.  
Which of the following will be of the value of the expression

$$32 \div 12 - 6 \times 24 + 2 = ?$$

- a) -14
- b) -16
- c) 12
- d) 40



If + means '-', '÷' means '+', '-' means 'x' and 'X' means '÷'.

10

Which of the following will be the value of the expression?

$$45 \times 5 + 27 \div 76$$

- a) 38
- b) 68
- c) 48
- d) 58



Pointing to the Abhishek said " The person in the photograph is the son of the daughter of my wife's father-in-law". How the person in the photograph is related to Abhishek?

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- a) Nephew
- b) Father
- c) Brother
- d) Mother



If signs '+' and '-' and numbers 8 and 6 are used interchangeably, then which of the following equation would be correct?

12

a)  $8 - 6 + 3 \times 4 = 30$

b)  $6 \times 8 + 4 - 8 = 20$

c)  $8 \times 2 + 6 - 4 = 14$

d)  $4 + 8 \times 2 - 6 = 0$



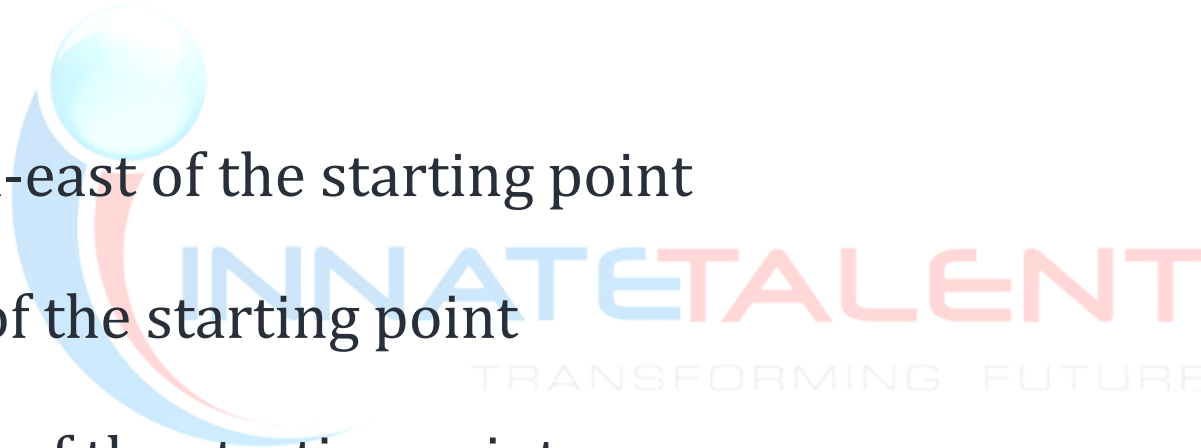
Shantha and Uma move from a fixed point. Shantha moves 3 km northward and turns right and then covers 4 km. Uma moves 5 km westwards. Turn right and walks 3 km. the distance between Shantha and Uma now is

- a) 10 km
- b) 8 km
- c) 9 km
- d) 6 km



A man starts walking in north-east direction from a particular point. After walking a distance of 500 metres. He turns southwards and walks a distance of 400 metres. At the end of this walk, he is situated

- a) 100 metres north-east of the starting point
- b) 300 metres east of the starting point
- c) 300 metres north of the starting point.
- d) 100 metres east of the starting point



I am facing north-west. I turn 90 degree in the clockwise direction. Then 180 degree in the anti-clockwise direction and then another 90 degree in the same direction. Which direction am I facing now?

15

- a) South
- b) East
- c) South-east
- d) South-West



A man is facing North-west. He turns  $90^{\circ}$  in the clockwise direction and then  $135^{\circ}$  in the anti clockwise direction. Which direction is he facing now?

16

- a) West
- b) north
- c) south
- d) east





After walking 6 km, I turned right and covered a distance of 2 km, then turned left and covered a distance of 10 km. In the end, I was moving towards the north, from which direction did I start my journey?

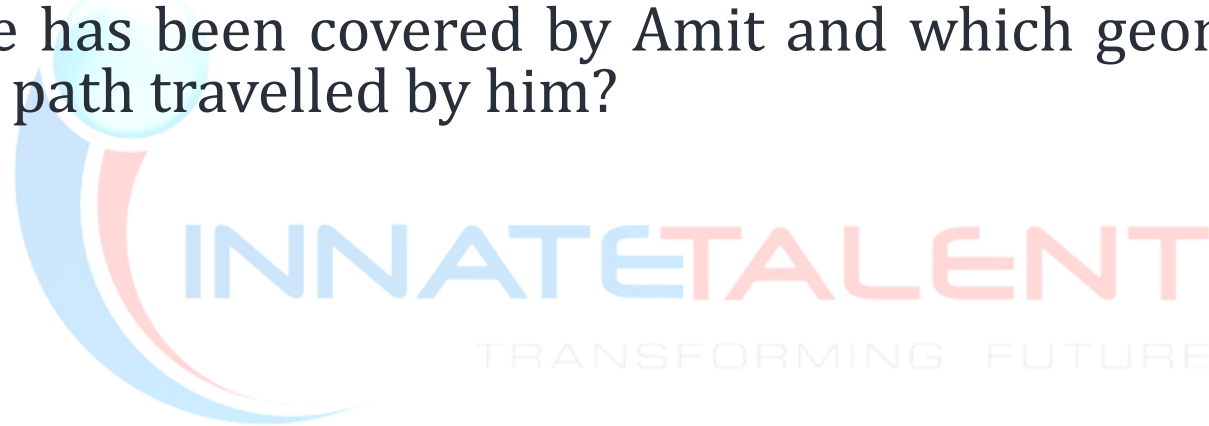
17

- a) South
- b) North
- c) West
- d) East



Amit starts from a point A and walks 5 m towards North-East direction and reaches point B. From here he travels 8 m in East direction and reaches point C. From C he travels towards South-West direction and reaches point D after travelling a distance equal to AB. At last, he turns towards West direction and reaches point A. How much distance has been covered by Amit and which geometrical figure has been formed by the path travelled by him?

- a) 26m, trapezium
- b) 26m, square
- c) 26m, parallelogram
- d) 16m, parallelogram



Paul is the brother of Q and rakesh. S is rakesh's mother. T is paul's father. Which of the following statements cannot be definitely true?

19

- a) P is S's son
- b) T is Q's father
- c) Q is T's son
- d) S is P's mother



Guru is the son of bala. salini is the daughter of guru. Chunni is the daughter of dev and dev is the brother of bala. How is Chunni related to salini?

20

- a) Aunt
- b) Cousin
- c) Mother
- d) Nephew



Which two signs should be interchanged to make the below equation mathematically correct?

$$4 + 8 \div 16 \times 13 - 7 = 8$$

- a) - and +
- b) x and ÷
- c) + and x
- d) ÷ and -



If signs '+' and '-' and numbers 7 and 6 are used interchangeably, then which of the following equation would be correct?

- a)  $7 \times 2 + 6 - 5 = 8$
- b)  $5 + 7 \times 2 - 6 = 0$
- c)  $7 - 6 + 3 \times 5 = 30$
- d)  $6 \times 7 + 5 - 8 = 20$



If '+' means 'x', '÷' means '+', '-' means '÷' and 'x' means '-'. Which of the following will be the value of the expression  $32 \div 8 - 4 \times 12 + 4 = ?$

- a) 12
- b) 1/12
- c) 40
- d) -14



If '+' means '-', '-' means '÷', '÷' means 'x', and 'x' means '+'. Which of the following will be the value of the expression?

$$245 - 35 \div 3 + 14 \times 36$$

- a) 58
- b) 45
- c) 37
- d) 43





In a class, Ram's rank from top is 12 and Ramesh's rank from bottom is 27. If they interchange their positions, Ram's rank becomes 18th from the top. How many students are there in the class?



- a) 42
- b) 43
- c) 45
- d) 44

Consider the number 57645361, if the digit at unit place is decreased by 1, the digit at tens 'place is increased by 2, the digit at hundreds' place is decreased by 1, the digit at thousands' place is increased by 2 and so on, then after rearranging how many number appears twice?

- a) 2
- b) 3
- c) 4
- d) 1



If 'A' means 'subtraction', 'B' means 'division', 'C' means 'multiplication', and 'D' means 'addition', then what will be the value of the following expression?

**18 A 15 B 75 C 90 D 23**

- a) 18
- b) 15
- c) 23
- d) 33



# DIFFERENTIATE

## “YOURSELF”

## FROM OTHERS !!



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