

Book For
West Central Railway



WCR Ticket Collector Reasoning Sample Paper



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(1) If $A + B$ means A is the brother of B ; $A - B$ means A is the sister of B and $A \times B$ means A is the father of B . Which of the following means that C is the son of M ?

[A] $M - N \times C + F$

[B] $F - C + N \times M$

[C] $N + M - F \times C$

[D] $M \times N - C + F$

Answer : [D]

Explanation:

$M \times N \rightarrow M$ is the father of N

$N - C \rightarrow N$ is the sister of C

and $C + F \rightarrow C$ is the brother of F .

Hence, M is the father of C or C is the son of M .

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(2) Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

[A] Brother

[B] Nephew

[C] Uncle

[D] Son-in-law

Answer : [A]

Explanation: The father of the boy's uncle \rightarrow the grandfather of the boy and daughter of the grandfather \rightarrow sister of father.

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(3) If $A \$ B$ means B is the father of A ; $A \# B$ means B is the mother of A ; $A * B$ means B is the sister of A and $A @ B$ means B is the husband of A , which of the following indicates that N is the grandmother of P ?

[A] $P * Q \# M \$ N$

[B] $P @ Q \$ M \# N$

[C] $P \# Q \$ N * M$

[D] None of these

Answer : [D]

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(4) If $P + Q$ means P is the brother of Q ; $P \times Q$ means P is the wife of Q and $P \% Q$ means P is the daughter of Q then which of the following means D is the uncle of A ?

[A] $A \% B \times C + D$

[B] $A \times B + C \% D$

[C] $A + C \% B \times D$

[D] None of these

Answer : [D]

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(5) M is the father of N who is the son of V . In order to know the relation of M to P , which of the statement/statements is/are necessary?

1. P is the brother of V .

2. The daughter of N is the granddaughter of V .

[A] Only (1)

- [B] Only (2)
 [C] Either (1) or (2)
 [D] (1) and (2) both

Answer : [A]

Explanation:

M is the father of N and N is the son of V.
 Hence, V is the mother of N.
 From (1), P is the brother of V
 Therefore, M is the brother-in-law of P because V is the wife of M.
 From (2), the daughter of N, is the granddaughter of V. From this we do not get any relation of M to P.

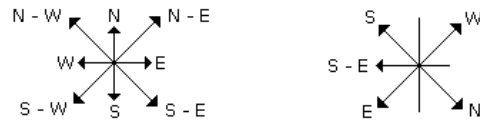
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(6) If South-East becomes North, North-East becomes West and so on. What will West become?

- [A] North-East
 [B] North-West
 [C] South-East
 [D] South-West

Answer : [C]

Explanation:



It is clear from the diagrams that new name of West will become South-East.

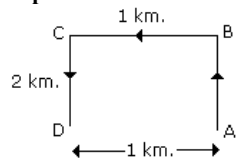
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(7) A boy rode his bicycle Northward, then turned left and rode 1 km and again turned left and rode 2 km. He found himself 1 km west of his starting point. How far did he ride northward initially?

- [A] 1 km
 [B] 2 km
 [C] 3 km
 [D] 5 km

Answer : [B]

Explanation:



The boy rode 2 km. Northward.

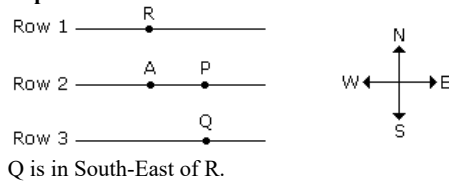
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(8) Some boys are sitting in three rows all facing North such that A is in the middle row. P is just to the right of A but in the same row. Q is just behind of P while R is in the North of A. In which direction of R is Q?

- [A] South
 [B] South-West
 [C] North-East
 [D] South-East

Answer : [D]

Explanation:

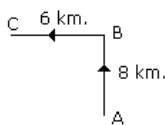


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(9) Golu started from his house towards North. After covering a distance of 8 km. he turned towards left and covered a distance of 6 km. What is the shortest distance now from his house?

- [A] 10 km.
- [B] 16 km.
- [C] 14 km
- [D] 2 km.

Answer : [A]



Required distance = AC

$$= \sqrt{8^2 + 6^2}$$
$$= \sqrt{64 + 36}$$
$$= \sqrt{100}$$
$$= 10 \text{ km.}$$

Explanation:

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(10) One morning after sunrise, Vimal started to walk. During this walking he met Stephen who was coming from opposite direction. Vimal watch that the shadow of Stephen to the right of him (Vimal). To Which direction Vimal was facing?

- [A] East
- [B] West
- [C] South
- [D] Data inadequate

Answer : [C]

Explanation:

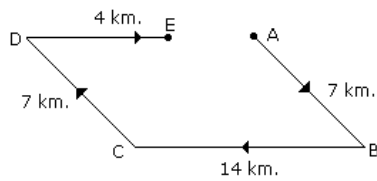
Sun rises in the east. So the shadow of a man will always falls towards the west. Since the shadow of Stephen is to the right of Vimal. Hence Vimal is facing towards South.

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(11) Radha moves towards South-East a distance of 7 km, then she moves towards West and travels a distance of 14 km. From here she moves towards North-West a distance of 7 km and finally she moves a distance of 4 km towards east. How far is she now from the starting point?

- [A] 3 km
- [B] 4 km
- [C] 10 km
- [D] 11 km

Answer : [C]



$$\begin{aligned}
 \text{Required distance} &= AE \\
 &= 14 - 4 \\
 &= 10 \text{ km.}
 \end{aligned}$$

Explanation:

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(12) Ornithologist : Bird :: Archeologist : ?

- [A] Islands
- [B] Mediators
- [C] Archeology
- [D] Aquatic

Answer : [C]

Explanation: As Ornithologist is a specialist of Birds similarly Archeologist is a specialist of Archeology.

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(13) Conference : Chairman :: Newspaper : ?

- [A] Reporter
- [B] Distributor
- [C] Printer
- [D] Editor

Answer : [D]

Explanation: As Chairman is the highest authority in a conference similarly Editor is in Newspaper.

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(14) Peace : Chaos :: Creation : ?

- [A] Build
- [B] Construction
- [C] Destruction
- [D] Manufacture

Answer : [C]

Explanation: As opposite meaning of peace is chaos similarly opposite meaning of creation is destruction.

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(15) LKJ : pon :: ? : hgf

- [A] dcle
- [B] DBC
- [C] dcd
- [D] DCB

Answer : [D]

	As		Similarly		
L	$\xrightarrow{+4}$	p	D	$\xrightarrow{+4}$	h
K	$\xrightarrow{+4}$	o	C	$\xrightarrow{+4}$	g
J	$\xrightarrow{+4}$	n	B	$\xrightarrow{+4}$	f

Explanation:

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(16) Kick : Football

- [A] Wash : Dishes
- [B] Dust : Rage
- [C] Mop : Sweep
- [D] Throw : Ring

Answer : [D]

Explanation: As Kick is in the game of Football, similarly Throw is used in the game of Ring.

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(17) Border : Country

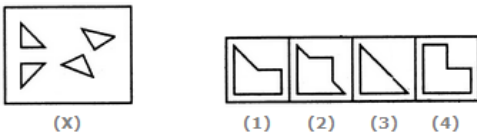
- [A] Pen : Cap
- [B] Book : Cover
- [C] Handle : Shade
- [D] Frame : Picture

Answer : [D]

Explanation: First is the boundary of the second.

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(18) Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).



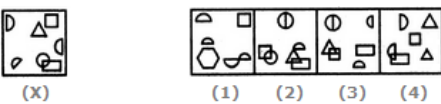
- [A] 1
- [B] 2
- [C] 3
- [D] 4

Answer : [C]

Explanation:

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(19) Select the alternative in which the specified components of the key figure (X) are found.



- [A] 1
- [B] 2
- [C] 3

[D] 4

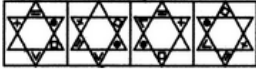
Answer : [B]

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(20) Find out how will the key figure (X) look like after rotation.



(X)



(1)

(2)

(3)

(4)

[A] 1

[B] 2

[C] 3

[D] 4

Answer : [B]

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