Quiz Date: 8th March 2020

Directions (1-4): Read the following information carefully and answer the questions which follows.

Three persons P, Q, and R are standing in a park. They are standing in a straight line which is aligned in the North-South direction. They are standing at three different points A, B and C. Point A is in north of point C. Point B is equidistant from point A and C. They are facing either east or west direction. P started moving ahead from point A and reached point D after walking 3 meters. After that from point D, he turned right and moved two meters to reach point E where he stopped. Q started from moving ahead from point B and reached point F after walking three meters. Then from F, he turned towards right and moved four meters to reach point G from where he turned right and moved eight meters to reach point H. R started moving ahead from point C and after walking five meters, he reached point I. Then from point I he took a left turn and kept on walking ahead till he reached point H. Point F is to the west of point E.

Q1. In which direction is point G with respect to point I?
(a) North
(b) North-East
(c) North-West
(d) Cannot be determined
(e) None of these

Q2. What is the shortest distance between point G and B?
(a) 5 meters
(b) 4 meters
(c) 8 meters
(d) 9 meters
(e) None of these

Q3. What is the total distance travelled by R to reach point H?
(a) 8 meters
(b) 9 meters
(c) 11 meters
(d) 10 meters
(e) None of these

Q4. In which direction is point C with respect to point H?
(a) South
(b) South-East
(c) South-West
(d) Cannot be determined
(e) None of these

Q5. Z, Y, X, K, J and I are six persons belonging to the same family. I is the father of Y. X is not the youngest. Z is younger than only three members of the family. J is older than X. K is

second oldest. I is elder than K. J is the wife of I. Who amongst the following is the youngest member of the family?
(a) I
(b) J
(c) Z
(d) X
(e) None of these

Directions (6-10): Study the following information carefully to answer the given question.
Twelve students i.e. M, B, F, R, P, C, O, D, N, A, E and Q. They all joins dancing classes on the different days of the week starting from Monday and ending on Saturday but not necessarily in the same order. The timing of the dance classes is 10:00 am and 4:00 pm on each day. Only one student attend the class at a time and only two students attend the dancing class on each day.
There are three students who attend their classes between R and Q, who attends after R. D attend his class immediately before C. O attend his dance class one of the day after Wednesday. A attends dancing class one of the days after B, but not the day immediate after. E attend the dancing class immediately after A. There are four students who attend the dancing class between M and A, who attends after M. E does not attend the dancing class in the evening. Student R and F attend the dance classes on the same day. B does not attend the class in the morning. P attend the dancing class on the last day of the week but not at same time of M. N and O attend the dance class on the same time but on the different days of the week. There are three student who attend their class between C and E. N does not attend his dance class on Monday. F attends his dance class immediately after B.

Q6. Who among the following attend the class on Saturday morning?
(a) A
(b) M
(c) P
(d) N
(e) C

Q7. How many students attend the class between F and A?
(a) Two
(b) One

(c) Three
(d) Four
(e) No one

Q8. Who among the following attend the dance class immediately after Q?
(a) N
(b) D
(c) C
(d) O
(e) None of these

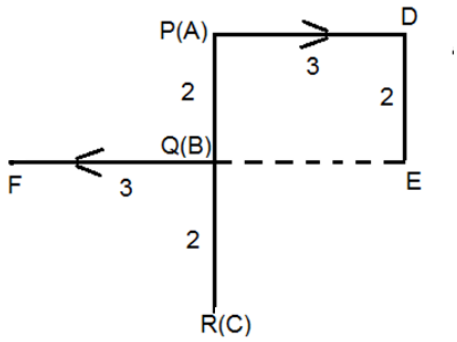
Q9. How many students attend their classes after C?
(a) More than four
(b) Four
(c) One
(d) Two
(e) None of these

Q10. Who among the following attend his/her dance class on Tuesday (10:00 am)?
(a) R
(b) F
(c) A
(d) M
(e) D

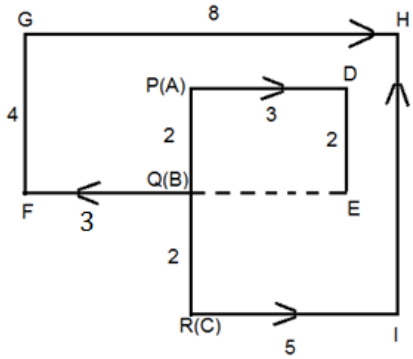
Solutions

Solution (1-4):
Step 1.
From the information given in the question,
P, Q and R are standing in a straight line which is aligned in the North-South direction. They are standing at three different points A, B and C. Point B is equidistant from point A and C. They are facing either east or west direction. P started moving ahead from point A and reached point D after walking 3 meters. From point D, he turned right and moved two meters to reach point E where he stopped. Q started from moving ahead from point B and reached point F after walking three meters. Point F is to the west of point E. Point A is in north of point C.

So we have,



Step 2.
Proceeding with the remaining information,
From F, he turned towards right and moved four meters to reach point G from where he turned right and moved eight meters to reach point H. R started moving ahead from point C and after walking five meters, he reached point I. From point I he took a left turn and kept on walking ahead till he reached point H.
So we have our final solution as,



S1. Ans.(c)
S2. Ans.(a)
S3. Ans.(c)
S4. Ans.(c)

S5.Ans.(e)
Sol. I>K>J>Z>X>Y

Solutions (6-10):
Sol.
Step 1: Using the given conditions, P attend the dancing class on the last day of the week but not with M so from these it is clear that M does not attend the dance class on Saturday. There are four students who attend the dancing class between M and A. A attends dancing class one of the day after B, but not the day immediate after and B does not attend the class in the morning. E attend the dancing class immediately after A. E does not attend the dancing class in the evening. So, from these conditions there will be three possible cases,

Note : B position is fixed only in case I, but in other cases we can't fix the position of B. P is also not fixed in the three conditions except case III.

Case I

DAYS	10:00 am	04:00 pm
Monday	M	B
Tuesday		
Wednesday		A
Thursday	E	
Friday		
Saturday	P	P

Case II

DAYS	10:00 am	04:00 pm
Monday		
Tuesday	M	
Wednesday		
Thursday		A
Friday	E	
Saturday	P	P

Case III

DAYS	10:00 am	04:00 pm
Monday		
Tuesday		
Wednesday	M	
Thursday		
Friday		A
Saturday	E	P

Step 2: There are three student who attend their class between C and E. D attend his class immediately before C.

Case 1

DAYS	10:00 am	04:00 pm
Monday	M	B
Tuesday		
Wednesday		A
Thursday	E	
Friday		D
Saturday	C	P

Case II

DAYS	10:00 am	04:00 pm
Monday		
Tuesday	M	D
Wednesday	C	
Thursday		A
Friday	E	
Saturday	P	P

Case III

DAYS	10:00 am	04:00 pm
Monday		
Tuesday		
Wednesday	M	D
Thursday	C	
Friday		A
Saturday	E	P

Step 3: Now, Student R and F attend the dance classes on the same day. F attends his dance class immediately after B(B attend his class in the evening). So, case II will be eliminated. Now, there are three students who attend their classes between R and Q.

Case 1

DAYS	10:00 am	04:00 pm
Monday	M	B
Tuesday	F	R
Wednesday		A
Thursday	E	Q
Friday		D
Saturday	C	P

Case III

DAYS	10:00 am	04:00 pm
Monday		B
Tuesday	F	R
Wednesday	M	D
Thursday	C	Q
Friday		A
Saturday	E	P

Step 4: Continuing with rest of the statement, N and O attend the dance class on the same time but on the different days of the week. N does not attend his dance class on Monday. O attend his dance class one of the day after Wednesday. So, case III will be eliminated and hence we get our final arrangement.

Case 1

DAYS	10:00 am	04:00 pm
Monday	M	B
Tuesday	F	R
Wednesday	N	A
Thursday	E	Q
Friday	O	D
Saturday	C	P

S6.Ans(e)
S7.Ans(a)
S8.Ans(d)
S9.Ans(c)
S10.Ans(b)