

Quiz Date: 7th June 2020

Direction (1-5): **Study the following information and answer the given questions:**

Eight persons are sitting around a circular table in such a way some are facing inside while some are facing outside. All persons are different ages and likes different colours.

F sits third to the left of G who likes yellow colour. A is third oldest person and sits second to the right of the second oldest person who likes pink colour. The one who likes blue colour sits immediate right of the one who likes white colour. Two persons sit between B and E who is an immediate neighbour of G. F sits third to the right of A. D is older than only three persons. H sits second to the left of the one who likes olive colour. C is younger than F but older than D. Neither B nor E likes olive colour. Second youngest person likes green colour. The one who likes magenta colour sits immediate right of the oldest person. E is older than G but younger than H who faces inside. The one who likes purple sits third to the left of the one who likes white colour. B and A faces each other. D and E facing same direction but opposite to G. B is younger than H.

Q1. Who among the following person sits second to the left of third youngest person?

- (a) the one who likes white colour
- (b) the youngest person
- (c) the one who sits second to the right of A
- (d) G
- (e) None of these

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Q2. Who among the following person likes Olive colour?

- (a) F
- (b) A
- (c) C
- (d) D
- (e) None of these

Q3. Which of the following statement is not true about D?

- (a) D likes purple colour
- (b) the one who likes Blue colour is younger than D
- (c) D is older than E
- (d) D sits second to the right of F
- (e) All are true

Q4. How many persons sits between H and G, when counted right of G?

- (a) One
- (b) Three
- (c) None
- (d) Two
- (e) More than four

Q5. Which of the following colour likes by third oldest person?

- (a) Blue
- (b) White
- (c) Magenta
- (d) Pink
- (e) None of these

Directions (6-10): **Study the following information carefully and answer the given questions.**

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: wonder 37 content 22 15 round 61 student nest 33 young 86

Step I: 14 wonder 37 22 round 61 student nest 33 young 86 content

Step II: 24 14 wonder 37 round 61 student 33 young 86 content nest

Step III: 32 24 14 wonder 37 61 student young 86 content nest round

Step IV: 38 32 24 14 wonder 61 young 86 content nest round student

Step V: 62 38 32 24 14 young 86 content nest round student wonder

Step VI: 88 62 38 32 24 14 content nest round student wonder young

Step VI is the final step.

As per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.

Input: 41 forget 75 similar 27 best 34 octal 18 modern 23 parallel

Q6. Which of the following is the third step for input?

- (a) 26 24 20 34 octal parallel best 41 75 similar forget modern
- (b) 26 modern 75 similar 34 octal parallel 24 forget 20 best 41
- (c) 26 24 20 41 75 similar 34 octal parallel best forget modern
- (d) 26 24 20 41 75 similar 34 octal forget modern parallel best
- (e) None of these

Q7. Which of the following is the last step of above input?

- (a) III
- (b) VI
- (c) IV
- (d) V
- (e) None of these

Q8. Which is the following step?

Step: 42 36 26 24 20 75 similar best forget modern octal parallel.

- (a) VI
- (b) III
- (c) IV
- (d) V
- (e) There is no such step

Q9. What is 5th element from right end in Step II?

- (a) parallel
- (b) forget
- (c) modern
- (d) 41
- (e) octal

Q10. Which of the following elements lies exactly between 20 and Forget in step IV?

- (a) 41
- (b) parallel
- (c) Similar
- (d) best
- (e) modern

Directions (11-13): **Study the following information carefully and answer the questions given below.**

P%Q (10)- P is 12m in north of Q

P\$Q (15)- P is 17m in south of Q

P#Q (22)- P is 24m in east of Q

P&Q (14)- P is 16m in west of Q

A%B (23), D#B (9), C%D (15), E&C (18), F\$E (15)

Q11. C is in which direction with respect to B?

- (a) North
- (b) West
- (c) North-west
- (d) North-East
- (e) South-west

Q12. What is the distance between F and D?

- (a) 12m
- (b) 14m
- (c) 16m
- (d) 17m
- (e) 20m

Q13. What is the direction of E with respect to D?

- (a) North
- (b) East
- (c) North-West
- (d) South-East
- (e) None of these

Directions (14-15): **Study the following information carefully and answer the given questions.**

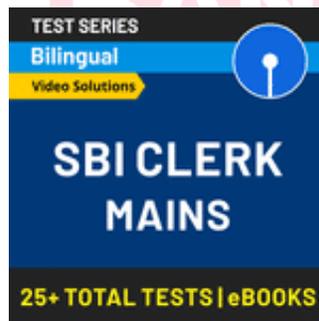
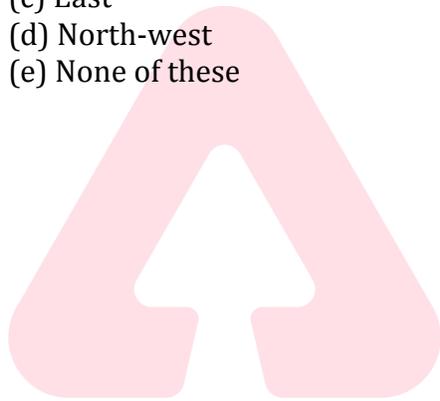
Rihan starts walking from point A in east direction and walks 8m to reach at point B. From point B, he takes a left turn and walks 6m and reach at point C, then again, he turns his left and walks 8m to reach at point D. From point D he takes two consecutive right turn and walks 10m and 15m respectively to reach at point E.

Q14. What is the shortest distance between point A and point C?

- (a) 12m
- (b) 16m
- (c) 10m
- (d) 15m
- (e) None of these

Q15. What is the direction of point E with respect to point D?

- (a) South-west
- (b) North-east
- (c) East
- (d) North-west
- (e) None of these



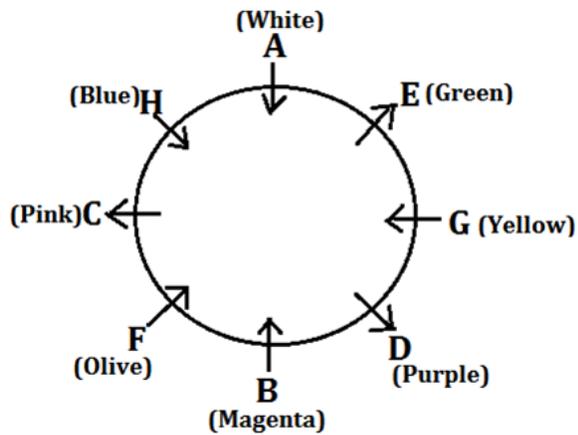
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Solutions

Solution (1-5):

Sol.



$$F > C > A > H > D > B > E > G$$

S1. Ans.(c)

S2. Ans.(a)

S3. Ans.(b)

S4. Ans.(d)

S5. Ans.(b)

Solutions (6-10):

Sol. Students let us understand the Logic behind this Question and let's understand how to solve it. As a first step let's first understand the logic behind the Output. If you will see the final output you will observe the following:

(i)- In each step only one word and one number is getting arranged. The words are arranged in ascending order according to the English alphabetical series from left to right.

(ii)- Numbers are arranged in increasing order from left. If number is prime number add 1 in that number. if number is even (except prime number) add 2 and if number is odd number (except prime number) subtract 1 in that number. In the final step numbers are arranged in decreasing order from left end and words are arranged in increasing order.

Input: 41 forget 75 similar 27 best 34 octal 18 modern 23 parallel

Step I: 20 41 forget 75 similar 27 34 octal modern 23 parallel best

Step II: 24 20 41 75 similar 27 34 octal modern parallel best forget

Step III: 26 24 20 41 75 similar 34 octal parallel best forget modern

Step IV: 36 26 24 20 41 75 similar parallel best forget modern octal

Step V: 42 36 26 24 20 75 similar best forget modern octal parallel.

Step VI: 74 42 36 26 24 20 best forget modern octal parallel similar

S6. Ans.(c)

S7. Ans.(b)

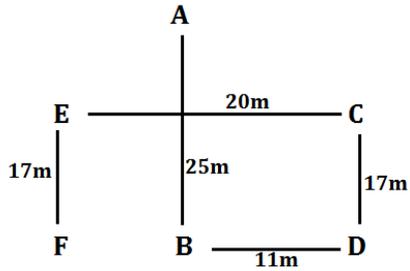
S8. Ans.(d)

S9. Ans.(e)

S10. Ans.(c)

Solution (11-13):

Sol.

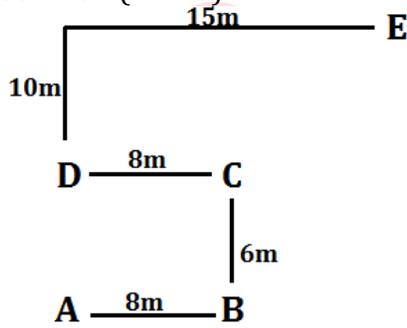


S11. Ans.(d)

S12. Ans.(e)

S13. Ans.(c)

Solution (14-15):



S14. Ans.(c)

S15. Ans.(b)



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