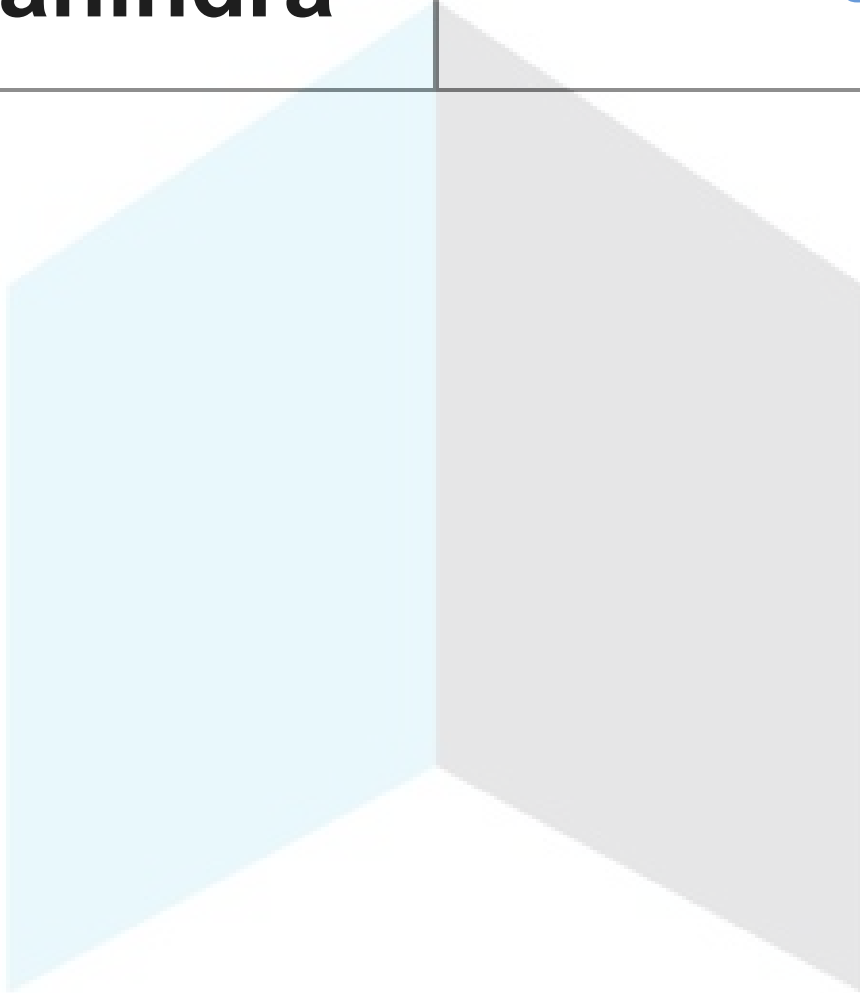# Tech Mahindra

Memory Based Paper
Reasoning 2021

28 Questions

Que. 1   In a certain code language, 'LABOUR' is coded as '279', and 'EXHALE' is coded as '321'. How will 'CAUTIOUS' be coded in that language?

1.   553
2.   535
3.   552
4.   525

Correct Option - **2**

Que. 2   Three different positions of the same dice are shown. Select the letter that will be on the face opposite to the face having E.

1.   F
2.   C
3.   A
4.   D

Correct Option - **1**

Que. 3   Madhu points to a picture and says, "This is my mother's sister's daughter." How is the lady in the picture related to Madhu?

1.   Wife
2.   Cousin sister
3.   Daughter in law
4.   Daughter

Correct Option - **2**

Que. 4   Mr Z who is facing east takes a left turn and walks 5 km to reach point A. Then he takes a left turn and walks 4 km to reach point B. Thereafter he takes a right turn and travels 3 km to reach point C. Again turning right he travels 10 km to reach point D. In which direction is Mr Z from his starting position?

1.   West
2.   North West
3.   North
4.   North east

Correct Option - **4**

Que. 5   In the following question, two statements and four conclusions are given. Without solving anything on your own, choose the conclusion that logically follows from the statement:

Statements:

Only green is blue.

All green are yellow.

Conclusions:

I. Some blue are yellow.

II. No blue is yellow.

III. Some yellow are green.

IV. Some yellow is not green.

1. Only conclusion I follows.
2. Only conclusion II follows.
3. Only conclusions I and III follow.
4. Either conclusion I or conclusion IV follows.

Correct Option - **3**

Que. 6   Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

JL_N_J_PND_NP_DJ_P_D

1. M, D, N, P, N, J, O
2. M, D, P, N, J, N, O
3. P, D, M, J, N, O, N
4. P, M, D, N, J, O, N

Correct Option - **3**

Que. 7   Ankit is related to Binny and Chinky, Daizy is Chinky's mother, Also, Daizy is Binny's sister and Aruna is Binny's sister. How is Chinky related to Aruna ?

1. Cousin
2. Niece
3. Aunt
4. Sister

Correct Option - **2**

Que. 8   Study the given information carefully and answer the question given below:

Shikhar walked 18 km towards east, took right turn and walked 20 km. He then took a left turn and walked 25 km. Then, he took a left turn walked 20 km. Then, he took a right turn and walked 10 km. then, he took a left turn and walked 24 km. Finally he took a left turn and walked 35 km.

How far was he from the starting point?

1. 22 km
2. 25 km
3. 28 km
4. 30 km

Correct Option - **4**

Que. 9   Select the letter from among the given options that can replace the question mark (?) in the following series.

H, Q, I, T, K, ?, N

1. J
2. U
3. A
4. Y

Correct Option **- 4**

Que. 10 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All tractors are cars.

Some scooters are cars.

All scooters are cycles.

Conclusions:

I. All scooters are cars.

II. Some cars are cycles.

III. Some tractors are cycles.

IV. Some tractors are scooters

1. Neither conclusion I nor II follows
2. Both conclusions I and II follow
3. Only conclusion I follows
4. Only conclusion II follows

Correct Option **- 4**

Que. 11 Choose one of the following options that are different:

A. Auto

B. Car

C. Van

D. Taxi

1. B
2. D
3. A
4. C

Correct Option **- 3**

Que. 12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All balls are fans.

No fan is a player.

Some players are wickets.

Conclusions:

I. Some players are fans.

II. Some wickets are balls.

III. Some fans are balls.

1. Only conclusion I follows
2. Only conclusion II follows
3. Both conclusions II and III follow
4. Only conclusion III follows

Correct Option - **4**

Que. 13 | Out of the five letters marked a), b), c), d) and e), four are similar in a certain manner. However, one letter is not like the other four. Choose the letter which is different from the rest.

S	T	U	V	W
(a)	(b)	(c)	(d)	(e)

1. c
2. d
3. e
4. a

Correct Option - **1**

Que. 14 | Select the letter-cluster from among the given options that can replace the question mark (?)} in the following series.

CLAP, HLVP, HQVK, MQQK, ?

1. MLQP
2. RQLK
3. HQVK
4. MVQF

Correct Option - **4**

Que. 15 | Raj is positioned 10th from the left and Atul is positioned 8th from the right in a row of 15 students. How many students are between them?

1. 1
2. 15
3. 0
4. 6

Correct Option - **1**

Que. 16 | Find the missing number in the following series.

1, ___, 4, 8, 9, 27, 16, 64, 25

1. 1
2. 3
3. 2
4. 0

Correct Option - **1**

Que. 17 | Find the next letter pair of the following series -

VG, TH, RJ, PM, ?

1. NQ
2. NC
3. QZ
4. QV

Correct Option - **1**

Que. 18 Find the odd figure from among the following:

1.

2.

3.

4.

Correct Option - **4**

Que. 19 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

_ Q _ S P _ R _ _ Q _ _ P _ R _

1. P, R, Q, S, Q, S, P, R, S
2. S, P, R, S, P, R, Q, Q, S
3. P, R, Q, S, P, R, S, Q, S
4. P, R, Q, S, P, R, R, P, Q

Correct Option - **3**

Que. 20 Find the missing number in the following series:

3, 8, 15, 24, _____, 48

1. 41
2. 47
3. 35
4. 36

Correct Option - **3**

Que. 21 Which letter will replace the question mark (?) in the following series?

F, J, D, H, B, F, ?

1. Z
2. I
3. J
4. Y

Correct Option - **1**

Que. 22 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

1. TSRQ
2. WVUT
3. MLKJ
4. PONL

Correct Option **- 4**

Que. 23 A cube is made by folding the given sheet. In the cube so formed, what would be the number on the opposite side of the number '1'?

1. 4
2. 5
3. 2
4. 3

Correct Option **- 3**

Que. 24 **Directions:** Study the given information carefully and answer the questions that follow:

I. Six friends P, Q, R, S, T and U are members of a club and play a different game of Football, Cricket, Tennis, Basketball, Badminton and Volleyball.
II. T who is taller than P and S, plays Tennis.
III. The tallest among them plays Basketball.
IV. The shortest among them plays Volleyball.
V. Q and S neither play Volleyball nor Basketball.
VI. R plays Volleyball.
VII. T is between Q who plays Football and P in order of height.

Who among them is taller than R but shorter than P ?

1. Q
2. T
3. U
4. None of these

Correct Option **- 4**

Que. 25 Which of the following statements in not true?

1. P is shorter than R
2. Q is taller than S
3. S is taller than R
4. T is taller than R

Correct Option **- 1**

Que. 26 Who will be at the third place if they are arranged in the descending order of their height ?

1. Q
2. P
3. S
4. T

Correct Option **- 4**

Que. 27 In a certain code language, 'INERTIA' is written as 'RGVKGBZ'. How will 'FLOWER' be written in that language?

1. VEMPUL
2. UELPVK
3. ULEVPK
4. EVPMUL

Correct Option **- 2**

Que. 28 In a certain code language, 'VIRTUE' is written as 'DBZBNX'. How will 'OMINOUS' be written in that language?

1. IUBHMBA
2. IBUHABM
3. HUBVHNA
4. HBUVHNA

Correct Option **- 3**