

REASONING ABILITY Practice Test 3

Test I

REASONING ABILITY

- How many digits in the number '5279143' will be as far away from the beginning of the number as when the digits are rearranged in ascending order from left to right within the number?
 - None
 - One
 - Two
 - Three
 - More than three
- If it is possible to make only one meaningful English word with the second, the fourth, the fifth and the seventh letters of the word COURTESY, using each letter only once in the word, which of the following will be the third letter of that word? If no such word can be formed, give 'N' as the answer and if more than one such word can be formed, give 'M' as the answer.
 - R
 - O
 - S
 - N
 - M
- In a certain code, 'BEAMING' is written as 'BFCMHOJ' and 'CLEAR' is written as 'MDESB'. How is 'TRAIL' written in that code?
 - USAMJ
 - USAJM
 - SUAMJ
 - SUAJM
 - None of these
- In a certain code 'TWICE' is written as '34\$5 δ' and 'WEARS' is written as '4 δ 29%'. How is 'SEAT' written in that code?
 - %2 δ 3
 - % δ 23
 - % δ 43
 - % \$ 2 3
 - None of these
- How many such pairs of digits are there in the number '5391246' in both forward and backwards directions, each of which has as many digits between them in the number as when the digits are arranged in ascending order within the number?
 - None
 - One
 - Two
 - Three
 - More than three
- Who is second to the left of L?
 - T
 - H

- C
- K
- Data inadequate

- What is K's position with respect to P?
 - Fourth to the right
 - Third to the left
 - Fifth to the right
 - Third to the right
 - None of these
- Who is fourth to the right of P?
 - T
 - L
 - K
 - C
 - None of these
- Who is second to the right of H?
 - L
 - C
 - T
 - E
 - None of these
- Who is to the immediate right of E?
 - K
 - H
 - L
 - Data inadequate
 - None of these

Directions (Q. 11-15): Study the following arrangement of numbers, letters and symbols carefully and answer the questions given below.

- B@KI9D©52T\$M4EJ#UR1A δ K5W6%FQ7HP8Z
- How many such symbols are there in the above arrangement, each of which is immediately preceded by a letter but not immediately followed by a letter?
 - None
 - One
 - Two
 - Three
 - More than three
 - Which of the following is the ninth to the right of the twentieth element from the right end of the above arrangement?
 - 9
 - 7
 - \$
 - 5
 - None of these
 - Which of the following should come in place of the question mark (?) in the following series based on the elements in the above arrangement?

K9D 2\$M JUR ?

 - δ KW
 - δ K 5
 - δ 5 6
 - δ W6
 - None of these
 - How many such consonants are there in the

above arrangement, each of which is immediately preceded by a number and immediately followed by a symbol?

- 1) None 2) One
3) Two 4) Three
5) More than three
15. How many such numbers are there in the above arrangement, each of which is immediately followed by a symbol but not immediately preceded by a consonant?
- 1) None 2) One
3) Two 4) Three
5) More than three

Directions (Q. 16-20): In the following questions, the symbols ★, \$, δ, © and % are used with the following meaning as illustrated below.

- 'A δ B' means 'A is neither greater than nor equal to B'.
- 'A % B' means 'A is neither smaller than nor greater than B'.
- 'A ★ B' means 'A is not greater than B'.
- 'A \$ B' means 'A is greater than B'.
- 'A © B' means 'A is either greater than or equal to B'.

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I and II given below them is./are definitely true?

- Give answer –**
- 1) if **only** conclusion **I** is true
 - 2) if **only** conclusion **II** is true
 - 3) if **either** conclusion **I or II** is true
 - 4) if **neither** conclusion **I nor II** is true
 - 5) if **both** conclusion **I and II** is true

16. **Statements:**
H ★ K, K δ N, N \$ W
- Conclusions:**
I N \$ H **II.** W δ H

17. **Statements:**
H © K, K % R, R δ N
- Conclusions:**
I N © K **II.** R % H

18. **Statements:**
R \$ T, T © M, M % J
- Conclusions:**
I J % T **II.** J δ T

19. **Statements:**

B δ A, A ★ M, W © M

- Conclusions:**
I W \$ B **II.** A ★ W
20. **Statements:**
B % T, T © M, M ★ D

- Conclusions:**
I D © B **II.** M ★ B
- Directions (Q. 21-25): Study the following information carefully and answer the questions given below.**

A, B, C, D, F, G and H are seven football players each playing for a different team, viz, Green, Red and Blue, with at least two of them in each of these teams. Each of them likes a fruit, viz, Apple, Guava, Banana, Orange, Mango, Papaya and Watermelon, not necessarily in the same order.

B plays with F in team Blue and he likes Mango. None of those who play for either team Red or team Green likes either Guava or Banana. D plays with only the one who likes Watermelon. G likes Papaya and he plays in team Red. The one who likes Orange does not play in team Red. H likes Watermelon and he plays for team Red. C does not like Guava.

21. Which of the following players play for team Red?
1) GA 2) DH
3) GC 4) GF
5) None of these
22. In which team do three of them play?
1) Blue 2) Red
3) Blue or Red 4) Data inadequate
5) None of these
23. Which of the following combinations is incorrect?
1) Blue - B - Apple 2) Red - A - Guava
3) Green - D - Apple 4) Blue - C - Apple
5) All are incorrect
24. Who likes Guava?
1) B 2) F
3) D 4) Data inadequate
5) None of these
25. Which fruit does D like?
1) Banana 2) Guava
3) Orange 4) Papaya
5) None of these

Directions (Q. 26-30): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the

statements are sufficient to answer the question. Read both the statement and

question. Read both the statement and

Give answer –

- 1) if the data in statement **I alone** are sufficient to answer the question, while the data in statement **II alone** are not sufficient to answer the question.
 - 2) if the data in statement **II alone** are sufficient to answer the question, while the data in statement **I alone** are not sufficient to answer the question.
 - 3) if the data either in statement **I alone or** in statement **II alone** are sufficient to answer the question.
 - 4) if the data even in **both** the statements **I and II** together are **not sufficient** to answer the question.
 - 5) if the data in **both** the statements **I and II** together are **necessary** to answer the question.
26. On which date in November is definitely Anjan's father's birthday?
- I** Anjan correctly remembers that his father's birthday is before twenty-second November but after fourteenth November.
 - II** Anjan's brother correctly remembers that their father's birthday is after nineteenth November but before twenty-eighth November.
27. How is T related to W?
- I** T's only sister is married to M.
 - II** W's mother is the only daughter of M.
28. How is 'home' written in a code language?
- I** 'home for all' is written as '9 2 1' in that code language?
 - II** 'you go home' is written as '7 3 2' in that code language.
29. Who among A, B, C, D and E, each having a different weight, is the heaviest?
- I** C is heavier than only A.
 - II** D is lighter than E and B.
30. Towards which direction is Town M from Town B?
- I** Town B is to the West of Town D. Town D is to the North of Town M.
 - II** Town K is to the South of Town B. Town K is to the West of Town M.

Directions (Q. 31-35): Study the following information carefully and answer the questions given below: Following are the conditions for selecting a Manager - Finance in an organisation.

- candidate must -
- (i) be a graduate in any discipline with at least 50% marks.
 - (ii) have completed Post Graduate Degree/Diploma in Management with specialisation in Finance with at least 65% marks.
 - (iii) have post qualification work experience of at least 4 years in the finance department of an organisation.
 - (iv) be at least 26 years and not more than 36 years as on 01.12.2011.

In the case of a candidate who fulfils all the conditions **except** –

- (a) at (ii) above, but has secured at least 60% marks in post graduate degree/diploma in management with specialisation in Finance and at least 70% marks in Graduation, his/her case is to be referred to DGM-Finance.
- (b) at (iii) above, but has post qualification work experience of at least two years as Assistant Finance Manager, his/her case is to be referred to GM-Finance.

In each question below, details of one candidate are provided. You have to take on of the following courses of action based on the conditions given above and the information provided in each question and mark the number of that course of action as your answer. You are not to assume anything other than the information provided in each question. All these cases are given to you as on 01.12.2011.

Mark answer –

- 1) if the candidate is to be selected
- 2) if the data provided are inadequate to take a decision.
- 3) if the candidate is not to be selected
- 4) if the case is to be referred to DGM-Finance
- 5) if the case is to be referred to GM-Finance

Now read the information provided in each question and mark your answer accordingly.

31. Raman Sharma was born on 19th March 1981. He has been working in the finance department of an organisation for the past six years. He has secured 65% marks in B.Com and 75% marks in his post graduate degree in management with finance specialisation.
32. Bhuvan Sen was born on 7th November 1982. He has been working for the past four years as Assistant Finance Manager in an organisation after completing his post graduate degree in Finance Management with 66% marks. He has secured 52% marks in B.Sc.

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33. Gayatri Devi has been working in the Finance department of an organisation for the past seven years after completing her post-graduate degree in management with specialisation in Finance with 62% marks. She has secured 75% marks in B.Sc. She was born on 21st January 1983.
34. Ranjana Singh was born on 26th July 1984. She has been working as Assistant Finance Manager for the past three years in an organisation after completing her Post Graduate Diploma in Management with finance specialisation with 68% marks. She has secured 55% marks in B.A.
35. Ajay Roy has been working in the Finance Department of an organisation for the past five years after completing his post graduate degree in management with finance specialisation with 60% marks. He has secured 60% marks in B.Com. He was born on 4th November 1985.

SOLUTIONS

1. (2) $\begin{matrix} 5 & \boxed{2} & 7 & 9 & 1 & 4 & 3 \\ 1 & \boxed{2} & 3 & 4 & 5 & 7 & 9 \end{matrix}$

2. (5) $\begin{matrix} 1 & \boxed{2} & 3 & \boxed{4} & \boxed{5} & 6 & \boxed{7} & 8 \\ C & \boxed{O} & U & \boxed{R} & \boxed{T} & E & \boxed{S} & Y \end{matrix}$

Meaningful words

⇒ ROTS, SORT

3. (3) $\begin{matrix} B & E & A & M & I & N & G \\ +1 & \swarrow & \searrow & \downarrow & +1 & \swarrow & \searrow \\ B & F & C & M & H & O & J \end{matrix}$

Therefore

$\begin{matrix} C & L & E & A & R \\ +1 & \swarrow & \searrow & \downarrow & +1 & \swarrow & \searrow \\ M & D & E & S & B \end{matrix}$

4. (4) $\begin{matrix} T & W & I & C & E \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 3 & 4 & \$ & 5 & \delta \end{matrix}$

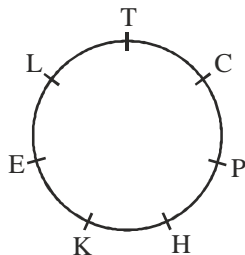
$\begin{matrix} W & E & A & R & S \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 4 & \delta & 2 & 9 & \% \end{matrix}$

Therefore,

$\begin{matrix} S & E & A & T \\ \downarrow & \downarrow & \downarrow & \downarrow \\ \% & \delta & 2 & 3 \end{matrix}$

5. (5) $\begin{matrix} \triangle 5 & \triangle 3 & \triangle 9 & \boxed{1} & \boxed{2} & \triangle 4 & 6 \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ \boxed{1} & \boxed{2} & \triangle 3 & \triangle 4 & \triangle 5 & 6 & \triangle 9 \end{matrix}$

(6-10)



6. (3) C is second to the left of L.

7. (5) K is second the left of P. K is fifth to the right of P.

8. (5) E is fourth to the right of P.

9. (2) C is second to the right of H.

10. (1) K is to the immediate right of E.

11. (2)

Letter	Symbol	Number/Symbol
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There is only one such combination:

D © 5

12. (4) 9th to the right of the 20th element from the right means 11th from the right end, i.e., 5.

13. (5) $\begin{matrix} K \xrightarrow{+6} 2 \xrightarrow{+6} J \xrightarrow{+6} \delta \\ 9 \xrightarrow{+6} \$ \xrightarrow{+6} U \xrightarrow{+6} 5 \\ D \xrightarrow{+6} M \xrightarrow{+6} R \xrightarrow{+6} W \end{matrix}$

14. (3)

Number	Consonant	Symbol
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Such combinations are

9 D ©	:	2 T \$
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15. (1)

Consonant	Number	Symbol
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There is no such combination.

(16-20)

D ⇒ <	% ⇒ =	★ ⇒ ≤
\$ ⇒ >	© ⇒ ≥	

16. (1) H★K ⇒ H ≤ K

KδN ⇒ K < N

N\$W ⇒ N < W

Therefore H ≤ K < N > W

Conclusions:

I N\$H ⇒ N > H: True

II WδH ⇒ W < H : Not True

17. (4) H©K ⇒ H ≥ K

K%R ⇒ K = R

R\$N ⇒ R < N

Therefore,

$$H \geq K = R < N$$

Conclusions:

I $N \odot K \Rightarrow N \geq K$: Not True

II $R \% H \Rightarrow R = H$: Not True

18. (3) $R \$ T \Rightarrow R = H$

$$T \odot \Rightarrow T \geq M$$

$$M \% J \Rightarrow M = J$$

Therefore,

$$R > T \geq M = J$$

Conclusions:

I $J \% T \Rightarrow J = T$: Not True

II $J \delta T \Rightarrow J < T$: Not True

J is smaller than or equal to T.

19. (5) $B \delta A \Rightarrow B < A$

$$A \star M \Rightarrow A \leq M$$

$$A \star W \Rightarrow W \geq M$$

Therefore, $B < A \leq M \leq W$

Conclusions:

I $W \$ B \Rightarrow W > B$: True

II $A \star W \Rightarrow A \leq W$: True

20. (2) $B \% T \Rightarrow B = T$

$$T \odot M \Rightarrow T \geq M$$

$$M \star D \Rightarrow M \leq D$$

Therefore, $B = T \geq M \leq D$

Conclusions:

I $D \odot B \Rightarrow D \geq B$: Not True

II $M \star B \Rightarrow M \leq B$: True

(21-25)

Football Player	Team	Fruit
A	Red	Apple
B	Blue	Mango
C	Blue	Banana
D	Green	Orange
F	Blue	Guava
G	Red	Papaya
H	Green	Watermelon

22. (1) Three of them play for team Blue.

23. (5) All are incorrect.

24. (2) F likes Guava

25. (3) D likes Orange

26. (4) From statement I

According to Anjan his father's birthday may be on 15th, 16th, 17th, 18th, 19th, 20th or 21st November.

From statement II

According to Anjan's brother, their father's birthday may be on 20th, 21st, 22nd, 23th, 24th, 25th, 26th or 27th November.

27. (5) From both the statements

M is the grandfather of W.

T is brother in law of M.

Therefore, T is the grandfather of W.

28. (5) From both the statements

$\boxed{\text{home}}$ for all $\rightarrow 9 \boxed{2} 1$

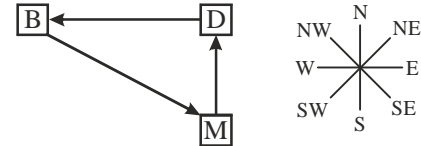
you go $\boxed{\text{home}} \rightarrow 7 \ 3 \ \boxed{2}$

29. (4) From both the statements

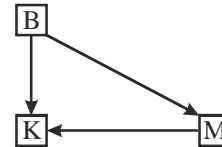
$$E, B > D > C > A$$

Either B or E is the heaviest.

30. (3) From statement I



From statement II



(31-35)

Candidates	Conditions					
	(i)	(ii) or (a)	(iii) or (b)	(iv)		
Raman	✓	✓	—	✓	—	✓
Bhuvan	✓	✓	—	✓	—	✓
Gayatri	✓	—	✓	✓	—	✓
Ranjana	✓	✓	—	—	✓	✓
Ajay	✓	✗	✗	✓	—	✓

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- www.sakshieducation.com
31. (1) Raman Sharma satisfies all the conditions.
 32. (1) Bhuvan Sen satisfies all the conditions.
 33. (4) Gayatri Devi satisfies conditions (i), (a), (iii) and (iv). Therefore, her case would be referred to DGM-Finance.
 34. (5) Ranjana Singh satisfies conditions (i), (ii), (b) and (iv). Therefore, her case would be referred to GM-Finance.
 35. (3) Ajay Roy does not satisfy condition (ii) or (a).