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SBI CLERK (PRELIMINARY TEST)
REASONING ABILITY Practice Test 2

Test I

REASONING ABILITY

1. In a certain code language 'they have come back' is written as 'na ja sa da' and 'they have gone there' is written as 'da ka pa na'. How is 'come' written in that code language?
 - 1) sa
 - 2) na
 - 3) ja
 - 4) sa or ja
 - 5) Data inadequate
 2. How many meaningful English words can be made with the letters IFEL using each letter only once in each word?
 - 1) None
 - 2) One
 - 3) Two
 - 4) Three
 - 5) More than three
 3. Each consonant in the word TIRADES is replaced by the previous letter in the English alphabet and each vowel is replaced by the next letter in the English alphabet and the new letters are rearranged alphabetically. Which of the following will be the fourth from the right end?
 - 1) F
 - 2) J
 - 3) Q
 - 4) C
 - 5) None of these
 4. Pointing to a girl, Mihir said, "She is the only daughter of my grand father's only child." How is the girl related to Mihir?
 - 1) Daughter
 - 2) Niece
 - 3) Sister
 - 4) Data inadequate
 - 5) None of these
 5. In a row of twenty-five children facing South, R is sixteenth from the right end and B is eighteenth from the left end. How many children are there between R and B?
 - 1) 2
 - 2) 3
 - 3) 4
 - 4) Data inadequate
 - 5) None of these
 6. W walked 40 metres towards West, took a left turn and walked 30 metres. He then took a right turn and walked 20 metres. He again took a right turn and walked 30 metres. How far was he from the starting point?
 - 1) 70 metres
 - 2) 60 metres
 - 3) 90 metres
 - 4) Can't be determined
 - 5) None of these
 7. How many such pairs of letters are there in the word POSITIVE each of which has as many letters between them in the word as in the English alphabet?
 - 1) None
 - 2) One
 - 3) Two
 - 4) Three
 - 5) More than three
 8. In a certain code, GATE is written as 5★3\$ and TOUR is written as 32δ%. How is URGE written in that code?
 - 1) 3%5\$
 - 2) \$% δ 5
 - 3) δ %3\$
 - 4) δ %5\$
 - 5) None of these
 9. If it is possible to form only one such number with the third, the sixth and the seventh digits of the number 7394261 which is the perfect square of a two digit odd number, which of the following will be the first digit of that two-digit odd number?
 - 1) 9
 - 2) 3
 - 3) 5
 - 4) No such number can be formed
 - 5) More than one such number can be formed
 10. How many such pairs of digits are there in the number 539816 each of which has as many digits between them in the number as when the digits are arranged in descending order within the number?
 - 1) None
 - 2) One
 - 3) Two
 - 4) Three
 - 5) More than three
- Directions (Q. 11-15): Study the following arrangement carefully and answer the questions given below.**
- H93P\$KE%4FR1U@WG2MI5BQZ6©★Nδ8VJ
11. If all the symbols and numbers are dropped from the above arrangement, which of the following will be the fourteenth from the right end?
 - 1) M
 - 2) K
 - 3) W
 - 4) E
 - 5) None of these
 12. What should come in place of the question mark (?) in the following series based on the above arrangement?
PK% RUW M5Q ?
 - 1) ©N8
 - 2) ©Nδ

- 3) 6★8 4) 6★8
 5) None of these
13. How many such numbers are there in the above arrangement each of which is immediately preceded by a letter and immediately followed by a symbol?
- 1) None 2) One
 3) Two 4) Three
 5) More than three
14. Which of the following is the seventh to the left of the twentieth from the left end of the above arrangement?
- 1) U 2) \$
 3) I 4) N
 5) None of these
15. How many such consonants are there in the above arrangement each of which is immediately followed by a number but not immediately preceded by a number?
- 1) None 2) One
 3) Two 4) Three
 5) More than three

Directions (Q. 16-20): In each of the questions below are given three statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

16. **Statements:**
 Some carrots are brinjals.
 Some brinjals are apples.
 All apples are bananas.
- Conclusions:**
I Some apples are carrots.
II Some bananas are brinjals.
III Some bananas are carrots.
- 1) Only I follows
 2) Only II follows
 3) Only III follows
 4) Only either II or III follows
 5) None of these
17. **Statements:**
 All keys are locks.
 All locks are bangles.
 All bangles are cars.
- Conclusions:**
I Some cars are locks.
II Some bangles are keys.
III Some cars are keys.

18. **Statements:**
 All fruits are leaves.
 Some leaves are trees.
 No tree is house.
- Conclusions:**
I Some houses are fruits.
II Some trees are fruits.
III No house is fruit
- 1) Only I follows
 2) Only II follows
 3) Only III follows
 4) Only either I or III follows
 5) None of these
19. **Statements:**
 All tables are mirrors.
 Some mirrors are chairs.
 All chairs are glasses.
- Conclusions:**
I Some glasses are mirrors.
II Some chairs are tables.
III Some mirrors are tables.
- 1) Only I and II follow
 2) Only II and III follow
 3) Only I and III follow
 4) All I, II and III follow
 5) None of these
20. **Statements:**
 All calculators are boxes.
 All boxes are taps.
 Some taps are machines.
- Conclusions:**
I Some machines are boxes.
II Some taps are calculators.
III Some boxes are calculators.
- 1) Only I and II follow
 2) Only I and III follow
 3) Only II and III follow
 4) All I, II and III follow
 5) None of these
- Directions (Q. 21-25):** 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 www.sakshieducation.com Q, R, S, T, U, V and W are sitting around a circle facing at the centre. T is second to the left of P and third to the right of V. S is second to the right of W who is to the immediate right of T. Q is third to the right of U.

Input : 96 gain 63 forest 38 78 deep house

Step I : deep 96 gain 63 forest 38 78 house

Step II : deep 38 96 gain 63 forest 78 house

Step III : deep 38 forest gain 96 63 78 house

Step IV : deep 38 forest 63 gain 96 78 house

Step V : deep 38 forest 63 gain 78 96 house

Step VI : deep 38 forest 63 gain 78 house 96

and Step VI is the last step of the rearrangement of the above input.

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

21. **Input** : train 59 47 25 over burden 63 sky
Which of the following steps will be the last but one?

- 1) VI 2) V
3) IV 4) VII
5) None of these

22. **Input** : service 46 58 96 over there desk 15
Which of the following will be step VI?

- 1) desk 15 over service 46 58 96 there
2) desk 15 over service 46 58 96 there
3) desk 15 over 46 service 58 there 96
4) desk 15 over 46 service 58 96 there
5) There will be no such step

23. Step II of an input is
below 12 93 house floor 69 57 task
Which of the following will definitely be the input?

- 1) 93 house 69 57 below task floor 12
2) 93 house below 69 57 task floor 12
3) 93 house floor 69 57 task floor 12
4) Can't be determined
5) None of these

24. Step III of an input is
art 24 day 83 71 54 star power
Which of the following steps will be the last?

- 1) V 2) VIII
3) IX 4) VII
5) None of these

25. Step II of an input is
cold 17 wave 69 never desk 52 43
How many more steps will be required to complete the rearrangement?

- 1) Six 2) Five
3) Four 4) Three
5) None of these

Directions (Q. 26-30): Study the following information carefully and answer the questions given below.

Q, R, S, T, U, V and W are sitting around a circle facing at the centre. T is second to the left of P and third to the right of V. S is second to the right of W who is to the immediate right of T. Q is third to the right of U.

26. In which of the following pairs is the third person sitting in between the first and the second persons?

- 1) USP 2) VRU
3) TQW 4) WPS
5) None of these

27. Who is the immediate left of T?

- 1) Q 2) W
3) R 4) Data inadequate
5) None of these

28. Who is second to the right of P?

- 1) S 2) V
3) U 4) Q
5) Data inadequate

29. What is R's position with respect to W?

- 1) Third to the left 2) Fourth to the left
3) Sixth to the right 4) Fifth to the left
5) None of these

30. Who is fourth to the left of R?

- 1) U 2) P
3) S 4) Q
5) None of these

Directions (Q. 31-35): In the following questions, the symbols \star , δ , $\%$, $@$ and \odot used with the following meaning as illustrated below.

'P % Q' means 'P is not smaller than Q'.

'P \odot Q' means 'P is neither smaller than nor equal to Q'.

'P \star Q' means 'P is neither greater than nor equal to Q'.

'P δ Q' means 'P is not greater than Q'.

'P @ Q' means 'P is neither greater than nor smaller than Q'.

Now in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are **definitely true** and given your answer accordingly.

31. **Statements:**

R δ K, K \star M, M @ J

Conclusions:

I J \odot K **II** M \odot J

III R \star J

- 1) Only I and II are true

- 2) Only II and III are true
 3) Only I and III are true
 4) All I, II and III are true
 5) None of these

32. **Statements:**

Z @ M, M © K, K ★ F

Conclusions:

I F © Z **II.** K ★ Z

III. F © M

- 1) None is true 2) Only I is true
 3) Only II is true 4) Only III is true
 5) Only II and III are true

33. **Statements:**

B ★ J, J % W, W © M

Conclusions:

I M ★ J **II.** W ★ B

III. B © M

- 1) None is true 2) Only I is true
 3) Only II is true 4) Only III is true
 5) Only I and III are true

34. **Statements:**

V % H, H @ F, F δ E

Conclusions:

I F @ V **II.** F ★ V

III. E % H

- 1) Only either I or II is true
 2) Only III is true
 3) Only I and II are true
 4) All I, II and III are true
 5) Only either I or II and III are true

35. **Statements:**

W © Y, T δ N, N % D

Conclusions:

I D ★ T **II.** W © N

III. D @ T

- 1) None is true 2) Only I is true
 3) Only II is true 4) Only III is true
 5) Only I and II are true

SOLUTIONS

1. (4)

they have	come back →	na	ja	sa	da
they have	gone there →	da	ka	pa	na

The code for 'come' is 'ja' or 'sa'.

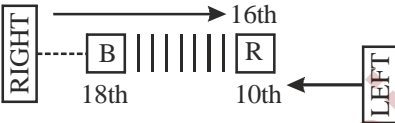
2. (3) Meaningful Words ⇒ LIFE, FILE

3. (2)

T	I	R	A	D	E	S
-1↓	+1↓	-1↓	+1↓	-1↓	+1↓	-1↓
S	J	Q	B	C	F	R

B C F J Q R S
4th from the right end

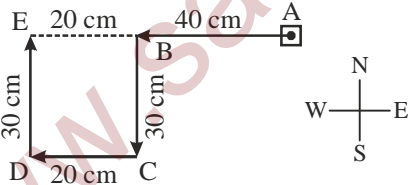
4. (3) Mihir's grandfather's only child means mother or father of Mihir. The girl is the only daughter of Mihir's mother or father. Therefore, the girl is the sister of Mihir.

5. (5) 

R's position from the left.

$$= 25 - 16 + 1 = 10\text{th}$$

Thus, there are 7 children between R and B.

6. (2) 

Required distance = AB + BE

$$\Rightarrow 40 + 20 = 60\text{ m}$$

7. (5)

16	15	19	9	20	9	22	5
P	O	S	I	T	I	V	E

8. (4)

G	A	T	E	T	O	U	R
↓	↓	↓	↓	↓	↓	↓	↓
5	★	3	\$	3	2	δ	%

Therefore, U R G E
↓ ↓ ↓ ↓
δ % 5 \$

9. (2)

1	2	3	4	5	6	7
7	3	9	4	2	6	1

$$169 \Rightarrow 13 \times 13$$

$$196 \Rightarrow 14 \times 14$$

But, 14 is an even number.

Required number = 13

Its unit's digit is 3.

10. (1)

5	3	9	8	1	6
9	8	6	5	3	1

11. (4) According to question, the new sequence would be

H P K E F R U W G M I B Q Z N V J
14th from the right end

12. (1) P $\xrightarrow{+7}$ R $\xrightarrow{+7}$ M $\xrightarrow{+7}$ ©

$$K \xrightarrow{+7} U \xrightarrow{+7} 5 \xrightarrow{+7} N$$

$$\% \xrightarrow{+7} W \xrightarrow{+7} Q \xrightarrow{+7} 8$$

13. (2)

Letter	Number	Symbol
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There is only one such combination: Z6©

14. (1) 7th to the left of the 20th from the left end means 13th from the left. i.e., U

15. (4)

Number	Consonant	Number
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Such combinations are,

FR1, WG2, QZ6

16-20:

(i) All apples are bananas →
Universal Affirmative (A-type)

(ii) Some carrots are brinjals →
Particular Affirmative (I-type)

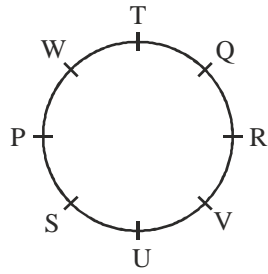
(iii) No tree is house →

- (iv) Some trees are not houses →
Particular Negative (O-type)
16. (2) Some brinjals are apples
↙ ↘
All apples are bananas
I + A ⇒ I-type of Conclusion.
“Some brinjals are bananas.”
Conclusion II is Converse of it.
17. (5) All keys are locks.
↙ ↘
All locks are bangles.
A + A ⇒ A-type of Conclusion.
“All keys are bangles.”
Conclusion II is Converse of it.

All locks are bangles.
↙ ↘
All bangles are cars.
A + A ⇒ I-type of Conclusion.
“All locks are cars.”
Conclusion I is Converse of it.

All keys are bangles.
↙ ↘
All bangles are cars.
A + A ⇒ A-type of Conclusion.
“All keys are cars.”
Conclusion III is Converse of it.
18. (4) Some leaves are trees.
↙ ↘
No tree is house.
I + E ⇒ O-type of Conclusion.
“Some leaves are not houses.”
Conclusion I and III form Complementary Pair.
Therefore, either I or III follows.
19. (3) Some mirrors are chairs.
↙ ↘
All chairs are glasses.
I + A ⇒ I-type of Conclusion.
“Some mirrors are glasses.”
Conclusion I is Converse of it.

20. (3) All calculators are boxes.
↙ ↘
All boxes are taps.
A + A ⇒ A-type of Conclusion.
“All calculators are taps.”
Conclusion II is Converse of it.
Conclusion III is Converse of first Premise.
- (21-25): After careful analysis of the given input and various steps of rearrangement, it is clear that in the first step one word is regarding and in the second step one number is rearranged. These two steps are continued alternatively till all the words get rearranged in alphabetical order and all the numbers get rearranged in ascending order.
21. (2) **Input** : train 59 47 25 over burden 63 sky
Step I : burden train 59 47 25 over 63 sky
Step II : burden 25 train 59 47 over 63 sky
Step III : burden 25 over train 59 47 63 sky
Step IV : burden 25 over 47 train 59 63 sky
Step V : burden 25 over 47 sky train 59 63
Step VI : burden 25 over 47 sky 59 train 63
22. (5) **Input** : service 46 58 96 over there desk 15
Step I : desk service 46 58 96 over there 15
Step II : desk 15 service 46 58 96 over there
Step III : desk 15 over service 46 58 96 there
Step IV : desk 15 over 46 service 58 96 there
Step V : desk 15 over 46 service 58 there 96
23. (4) It is not possible to determine the input from any given step.
24. (4) **Step III** : art 24 day 83 71 54 star power
Step IV : art 24 day 54 83 71 star power
Step V : art 24 day 54 power 83 71 star
Step VI : art 24 day 54 power 71 83 star
Step VII : art 24 day 54 power 71 star 83
25. (3) **Step II** : cold 17 wave 69 never desk 52 43
Step III : cold 17 desk wave 69 never 52 43
Step IV : cold 17 desk 43 wave 69 never 52
Step V : cold 17 desk 43 never wave 69 52
Step VI : cold 17 desk 43 never 52 wave 69
- (26-30) Sitting arrangement



26. (5) In none of pairs the third person is sitting between the first and the second persons.
27. (1) Q is to the immediate left of T.
28. (3) U is second to the right of P.
29. (1) R is third to the left of W.
30. (2) P is fourth to the left of R.

(31-35)

% ⇒ ≥	⊙ ⇒ >	★ ⇒ <
δ ⇒ ≤	@ ⇒ =	

31. (4) $R\delta K \Rightarrow R \leq K$
 $K\star M \Rightarrow K < M$
 $M@J \Rightarrow M = J$
 Therefore, $R \leq K < M = J$
Conclusions:
I $J\odot K \Rightarrow J > K$: True
II $M\odot R \Rightarrow M > R$: True
III $R\star J \Rightarrow R < J$: True
32. (1) $Z@M \Rightarrow Z = M$
 $M\odot K \Rightarrow M > K$
 $K\star F \Rightarrow K < F$
 Therefore, $Z = M > K < F$
Conclusions:
I $F\odot Z \Rightarrow F > Z$: Not True
II $K\star Z \Rightarrow K < Z$: Not True
III $F\odot M \Rightarrow F > M$: Not True
33. (2) $B\star J \Rightarrow B < J$
 $J\%W \Rightarrow J \geq W$
 $W\odot M \Rightarrow W > M$
 Therefore, $B < J \geq W > M$
Conclusions:
I $M\star J \Rightarrow M < J$: True
II $W\star B \Rightarrow W < B$: Not True
III $B\odot M \Rightarrow B > M$: Not True
34. (5) $V\%H \Rightarrow V \geq H$

$$F\delta E \Rightarrow F \leq E$$

Therefore, $V \geq H = F \leq E$

Conclusions:

- I** $F@V \Rightarrow F = V$: Not True
II $F\star V \Rightarrow F < V$: Not True
 F is either smaller than or equal to V.
 Therefore, either I or II is true.
III $E\%H \Rightarrow E \geq H$: True

35. (1) $W\odot T \Rightarrow W > T$

$$T\delta N \Rightarrow T \leq N$$

$$N\%D \Rightarrow N \geq D$$

Therefore, $W > T \leq N \geq D$

Conclusions:

- I** $D\star T \Rightarrow D < T$: Not True
II $W\odot N \Rightarrow W > N$: Not True
III $D@T \Rightarrow D = T$: Not True