

REASONING ABILITY Practice Test 4

Test I

REASONING ABILITY

- In a certain code, GRANT is written as UOBESH and PRIDE is written as FEJSQ. How is SOLD written in that code?  
1) EPMT                      2) TPME  
3) EMPT                      4) CKNR  
5) ETPM
- Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?  
1) 19                              2) 17  
3) 13                              4) 27  
5) 37
- How many meaningful English words can be made with the second, the fourth, the sixth and the seventh letters of the word STUMBLE using each letter only once in each word?  
1) None                              2) One  
3) Two                              4) Three  
5) More than three
- What should come in place of the question mark (?) in the following letter series based on the English alphabetical order?  
BE GJ LO QT ?  
1) UX                              2) VY  
3) SV                              4) RU  
5) WZ
- How many such pairs of letters are there in the word GOVERNMENT each of which has as many letters between them in the word (in both forward and backwards directions) as in the English alphabet?  
1) None                              2) One  
3) Two                              4) Three  
5) More than three

**Directions (Q. 6-10):** In the following questions, the symbols  $\delta$ , %, \$, # and @ are used with the following meaning as illustrated below.

'P \$ Q' means 'P is not smaller than Q'

'P @ Q' means 'P is not greater than Q'

'P  $\delta$  Q' means 'P is neither smaller than nor equal to Q'

'P # Q' means 'P is neither greater than nor equal to Q'

'P % Q' means 'P is neither smaller than nor greater than Q'

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 –**

- if **only** conclusion I is true
- if **only** conclusion II is true
- if **either** conclusion I or II is true
- if **neither** conclusion I nor II is true
- if **both** conclusion I and II is true

6. **Statements:**

F @ N, N  $\delta$  R, H @ R

**Conclusions:**

I. H  $\delta$  N                      II. F # R

7. **Statements:**

M # T, T @ K, K \$ N

**Conclusions:**

I. M # N                      II. K  $\delta$  N

8. **Statements:**

T % H, H \$ W

**Conclusions:**

I. W # T                      II. W % T

9. **Statements:**

N  $\delta$  K, K # D, D % M

**Conclusions:**

I. M  $\delta$  K                      II. D  $\delta$  N

10. **Statements:**

J \$ B, B % R, R  $\delta$  F

**Conclusions:**

I. F # B                      II. R @ J



24. On which day of the week from [www.sakshieducation.com](http://www.sakshieducation.com) of an input is day did Arun leave for London?

I Arun did not leave for London during the weekend.

II. Arun's brother left for London on Friday two days after Arun left for London.

25. How is 'new' written is a code language?

I 'new good clothes' is written as '5 3 9' in that code language.

II. 'good clothes are costly' is written as '9 6 7 3' in that code language.

**Directions (Q. 26-30): 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. (All numbers are two-digit numbers.)

**Input** : good for everything 19 37 26 all 65

**Step I** : all good for everything 19 37 26 65

**Step II** : all 65 good for everything 19 37 26

**Step III** : all 65 everything good for 19 37 26

**Step IV** : all 65 everything 37 good for 19 26

**Step V** : all 65 everything 37 for good 19 26

**Step VI** : all 65 everything 37 for 26 good 19

and Step VI is the last step of the rearrangement as the desired arrangement is reached.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input. (All numbers are two-digits numbers.)

26. **Input:** won 13 now 25 72 please go 47

How many steps will be required to complete the rearrangement?

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

27. Step III of an input is:

car 81 desk 15 42 39 tall more

Which of the following will be Step VI?

- 1) car 81 desk 42 39 15 tall more
- 2) car 81 desk 42 15 39 tall more
- 3) car 81 desk 42 more 39 15 tall
- 4) There will be no such step
- 5) None of these

bell 53 town hall near 27 43 12

How many more steps will be required to complete the rearrangement?

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

29. Step II of an input is

box 93 25 year end 41 32 value

Which of the following is definitely the input?

- 1) 25 year end box 93 41 32 value
- 2) 25 year end 93 41 32 value box
- 3) 93 25 box year end 41 32 value
- 4) Cannot be determined
- 5) None of these

30. **Input:** paper dry 37 23 height call 62 51

Which of the following steps will be the last but one?

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

**Directions (Q. 31-35): Study the following information carefully and answer the questions given below.**

P, Q, R, S, T, V and W are travelling in three buses A, B and C with at least two of them in any of these buses.

Each of them has a favourite (likes) cuisine viz, Punjabi, Rajasthani, Bengali, Maharashtrian, Gujarati, Kashmiri and Udipi not necessarily in same order.

Q is travelling in bus B with T. T's favourite cuisine is Udipi. Those who travel in bus A do not like Punjabi and Maharashtrian cuisines. The one who likes Rajasthani cuisine travels only with W in bus C. The one who favourite cuisine is Gujarati does not travel in the same bus with either T or W. P does not travel in bus B. P likes Kashmiri cuisine. S and V are travelling in the same bus. V does not like Bengali cuisine. The one whose favourite cuisine is Maharashtrian does not travel in Bus B.

31. Which of the following combinations is correct?

- 1) A - V - Gujarati
- 2) B - S - Bengali
- 3) C - W - Punjabi
- 4) B - Q - Gujarati
- 5) All are incorrect

32. Whose favourite cuisine is Rajasthani?

- 1) Q
- 2) S
- 3) V
- 4) R

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33. What is S's favourite cuisine? [www.sakshieducation.com](http://www.sakshieducation.com)

- 1) Maharashtrian      2) Bengali
- 3) Rajasthani        4) Kashmiri
- 5) Data inadequate

34. What is Q' favourite cuisine?

- 1) Kashmiri            2) Maharashtrian
- 3) Punjabi            4) Data inadequate
- 5) None of these

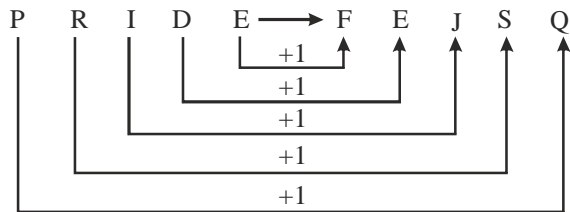
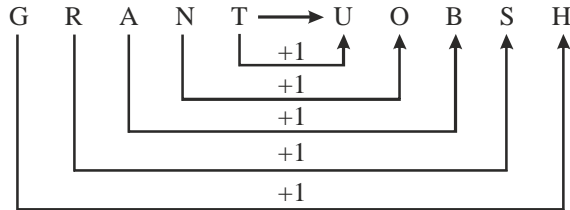
35. In which bus are three of them travelling?

- 1) A only              2) B only
- 3) A or B only        4) Data inadequate
- 5) None of these

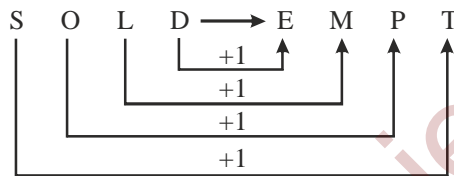
[www.sakshieducation.com](http://www.sakshieducation.com)

## SOLUTIONS

1. (3)



Similarly,



2. (4) Except 27, all others are Prime Numbers.

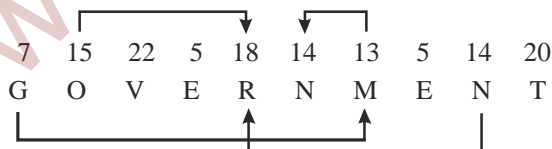
3. (2) 1 2 3 4 5 6 7  
S T U M B L E

Meaningful Word  $\Rightarrow$  MELT

4. (2) B  $\xrightarrow{+5}$  G  $\xrightarrow{+5}$  L  $\xrightarrow{+5}$  Q  $\xrightarrow{+5}$  V

E  $\xrightarrow{+5}$  J  $\xrightarrow{+5}$  O  $\xrightarrow{+5}$  T  $\xrightarrow{+5}$  Y

5. (5)



(6-10)

\$ $\Rightarrow$ $\geq$	@ $\Rightarrow$ $\leq$	$\delta$ $\Rightarrow$ $>>$
# $\Rightarrow$ $<$	% $\Rightarrow$ $=$	

6. (4) F @ N  $\Rightarrow$  F  $\leq$  N

N  $\delta$  R  $\Rightarrow$  N > R

H @ R  $\Rightarrow$  H  $\leq$  R

Therefore, F  $\leq$  N > R  $\geq$  H

**Conclusions:**

**I** H  $\delta$  N  $\Rightarrow$  H > N : Not True

**II** H # R  $\Rightarrow$  F < R : Not True

7. (2) M # T  $\Rightarrow$  M < T

T @ K  $\Rightarrow$  T  $\leq$  K

K \$ N  $\Rightarrow$  K  $\geq$  N

Therefore, M < T  $\leq$  K  $\geq$  N

**Conclusions:**

**I** M # N  $\Rightarrow$  M < N : Not True

**II** K  $\delta$  M  $\Rightarrow$  K > M : True

8. (3) T % H  $\Rightarrow$  T = H

H \$ W  $\Rightarrow$  H  $\geq$  W

Therefore, T = H  $\geq$  W

**Conclusions:**

**I** W # T  $\Rightarrow$  W < T : Not True

**II** W % T  $\Rightarrow$  W = T : Not True

T is either greater than or equal to W.  
Therefore, either Conclusion I or II is true.

9. (1) N  $\delta$  K  $\Rightarrow$  N > K

K # D  $\Rightarrow$  K < D

D % M  $\Rightarrow$  D = M

Therefore, N > K < D = M

**Conclusions:**

**I** M  $\delta$  K  $\Rightarrow$  M > K : True

**II** D  $\delta$  N  $\Rightarrow$  D > N : Not True

10. (5) J \$ B  $\Rightarrow$  J  $\geq$  B

B % R  $\Rightarrow$  B = R

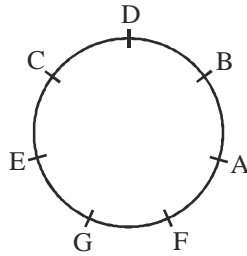
R  $\delta$  F  $\Rightarrow$  R < F

Therefore, J  $\geq$  B = R < F

**Conclusions:**

**I** F # B  $\Rightarrow$  F < B : True

(11-15)



11. (3) E is to the immediate right of C.
12. (5) F is sitting between A and G.
13. (1) B is the immediate left of D.
14. (1) B is second to the left of C.
15. (4) E is second to the right of D.

16. (1) E R W H K A  
 ↓ ↓ ↓ ↓ ↓ ↓  
 2 @ © 6 # 1

17. (5) M P E K D U  
 ↓ ↓ ↓ ↓ ↓ ↓  
 δ 4 2 # 5 \$

Condition (i) is applicable.

18. (4) T M E I U F  
 ↓ ↓ ↓ ↓ ↓ ↓  
 9 \$ 2 # δ 9

Condition (ii) is applicable.

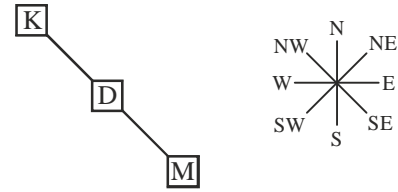
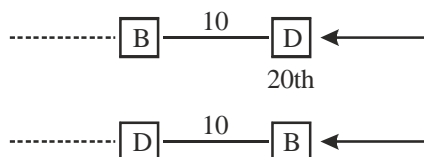
19. (1) J T A E R I  
 ↓ ↓ ↓ ↓ ↓ ↓  
 % 7 1 2 @ 3

Condition (i) is applicable.

20. (3) U K T M I H  
 ↓ ↓ ↓ ↓ ↓ ↓  
 ★ # 7 \$ % ★

Condition (iii) is applicable.

21. (4) From both the statements



23. (4) From both the statements  
 K, M and T are siblings of P.

24. (2) From statement II  
 Arun left for London on  
 Friday - 2 = Wednesday

25. (5) From both the statements  
 new good clothes → 9 3 9

good clothes are costly → 9 6 7 3

(26-30): After careful analysis of the given input and various steps of rearrangement it is evident that words and numbers are being rearranged alternatively. The words get rearranged in alphabetical order while the numbers get rearranged in descending order.

26. (3) **Input** : won 13 now 25 72 please go 47

**Step I** : go won 13 now 25 72 please 47

**Step II** : go 72 won 13 now 25 please 47

**Step III** : go 72 now won 13 25 please 47

**Step IV** : go 72 now 47 won 13 25 please

**Step V** : go 72 now 47 please won 13 25

**Step VI** : go 72 now 47 please 25 won 13

27. (3) **Step III** : car 81 desk 15 42 39 tall more

**Step IV** : car 81 desk 42 15 39 tall more

**Step V** : car 81 desk 42 more 15 39 tall

**Step VI** : car 81 desk 42 more 39 15 tall

28. (2) **Step II** : bell 53 town hall near 27 43 12

**Step III** : bell 53 hall town near 27 43 12

**Step IV** : bell 53 hall 43 town near 27 12

**Step V** : bell 53 hall 43 near town 27 12

**Step VI** : bell 53 hall 43 near 27 town 12

29. (4) Cannot be determined

30. (1) **Input** : paper dry 37 23 height call 62 51

**Step I** : call paper dry 37 23 height 62 51

**Step II** : call 62 paper dry 37 23 height 51

**Step III :** call 62 dry paper 37 23 height 51

**Step IV :** call 62 dry 51 paper 37 23 height

**Step V :** call 62 dry 51 height paper 37 23

**Step VI :** call 62 dry 51 height 37 paper 23

(31-35):

Person	Bus	Favourite Cuisine
P	A	Kashmiri Cuisine
Q	B	Punjabi Cuisine
R	C	Rajasthani Cuisine
S	A	Bengali Cuisine
T	B	Dupi
V	A	Gujarati Cuisine
W	C	Maharashtrian Cuisine

31. (1) The Combination A - V - Gujarati cuisine is correct.
32. (4) R's favourite cuisine is Rajasthani.
33. (2) S's favourite cuisine is Bengali.
34. (3) Q's favourite cuisine is Punjab.
35. (1) In Bus A three of them are travelling.