## BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)
### Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams

We Exam Pundit Team, has made this "**BOOST UP PDFS**" Series to provide The Best Free PDF Study Materials on All Topics of Reasoning, Quantitative Aptitude & English Section. This Boost Up PDFs brings you questions in different level, Easy, Moderate & Hard, and also in New Pattern Questions. Each PDFs contains 50 Questions along with Explanation. For More PDF Visit: **pdf.exampundit.in**

**Direction (01-05):** Study the following information carefully and answer the following questions.

In alphabetical series A-Z each letter except vowels and Z is assigned a different number from 1-10 (for ex- B is coded as 1, C-2………..M-10) and again those numbers get repeated(for ex- N-1, P-2……..so on). Also each vowel and Z is assigned a different symbol viz. #, $, %, @, &, *.

For ex-

"Remain am Brown" is coded as – 4*10@#1  @10  14$81

"You are good" is coded as – 10$%  @4*  5$$3

"Zenith in topper" is coded as - &*1#66  #1  6$22*4

**1. What can be the code of 'Bankers?**

a)  1@18*52  b)  1@81*45  c)  1@18*54  d)  1@18*45
e)  None of these

**2. What can be the code of 'digital library'?**

a)  3#5#6$9  9#41@410  b)  3#5#6@9  9#14@410
c)  3#5#6@9  9#14@401  d)  3#5#6@9  9#14@140
e) None of these

**3. What can be the code of 'complexity'?**

a)  2$1029*96#10  b)  2$1029*9#160
c)  2$1029*9#610  d)  2$1029*9#601
e) None of these

**4. What can be the code of 'Indian Culture'?**

a) #13#@1  2%96%4%  b) #13#@1  2%96%4*
c) #13#@1  2$96%4*  d) #13#@1  2%95%4*
e)  None of these

**5. What can be the code of 'Nationality?**

a)  1@6#$1@9#611  b)  1@6#$1@9#601
c)  1@6#$1@9#160  d)  1@6#$1@9#610
e)  None of these

**Directions (6-10) Read the following information carefully to answer the question.**

**INSTRUCTIONS:**

In alphabetic series, all the vowels are removed and then the letters are coded as 1-8 like B is coded as 1, C is coded as 2, D is coded as 3 and so on. Now, Next letters after 8 will again be coded 1-8 till Z. Vowels are coded as per below arrangement.

PINKY-4@384

# exampundit
## Your Success Partner
www.exampundit.in | pdf.exampundit.in

## BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)
## Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams

ANIKUT-%3@8#8

TEAN-8&%3

ON-!3

I. If 1st letter is vowel and last is consonant, then the code of all the consonants will be valued +2

II. If 1st and last letter of the word is vowel, then 3rd letter of the word is coded as *

III. If there are more than three vowels in a word, then the first two vowels are coded as +

**6) What is the code of 'ENDURE'?**

a) !3*!#6&   b) &3*#6&   c) !3*#6&   d) &33#6&

e) None of these

**7) What is the possible code for 'JACKPOT'?**

a) 7%284%8   b) 7%284!8   c) 7%684%8

d) 7%284#8   e) 7%254!8

**8) What is the code of 'Better late than never' ?**

a) 1&88&6 1%8@ 86%3  3&1&6

b) 1!88&6 1%8& 86%3  3&1&6

c) 1&88&6 3%10& 86%3  3&1&6

d) 1&88&6 1%8& 86%7  3&1&6

e) None of these

**9) What is the possible code for 'TAMILNADU'?**

a) 8+2+13%3#   b) 8+2+43%3#   c) 8+2+13@3#

d) 8+2+13%3+   e) None of these

**10) What is the sum of all the numbers that codes for the word 'POSSIBLE'?**

a) 18  b) 29   c) 24   d) 20  e) None of these

**Direction (11-15): Study the information given below and answer the questions based on it.**

If all the Vowels in the alphabets are excluded and rest of Consonants as coded as follows i.e) , B as 1, C as 2, D as 3…… upto K as 8. Then from L as 1, M as 2….upto T as 8. Again V as 1… upto Z. All the vowels are written as it is in capital letters.

**Conditions:**

I.  If the word begins with consonants and ends with vowels then code for all the letters will be written in reverse order.

II. If the word begins and ends with consonants then 2<sup>nd</sup> letter of the word is coded as "#".

III. If the word begins and ends with vowels then all the vowels in the word is coded as "%".

IV. If two same vowels or consonants follow one another then both are coded as "$$".

**11. What will be the code of "symbol"?**

a) 7#12O1   b) 1#721O1  c) 7#212O  d) 7#21O1

e) 5#21O2

**12. What will be the code of "home"?**

a) E2O5  b) E2O6  c) 6O21  d) 2146  e) O2E6

# exampundit
## Your Success Partner
www.exampundit.in | pdf.exampundit.in

## BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)
## Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams

**13. What will be the code of "chart picture"?**
a) 26A68, E6U82I4   b) 2#A68, E6U82I4
c) 4#A68, 56U82I4   d) 2#168, E6U8234
e) 2#1A8, E658234

**14. What will be the code of "inside"?**
a) %37%3%   b) %33%3%   c) #37%3%   d) %73%3%
e) %37%7%

**15. What will be the code of "addiction"?**
a) A$$IC8IO3   b) A$$128IO3   c) A$$I28IO3
d) 2$$I28IO3   e) A$$I28213

**Directions (16– 20): Read the following information carefully and answer the questions given beside)**
In a certain code language, codes are decided on the basis of following rules and conditions.

**Rules:**

1. All the consonants that appear before 'N' in alphabet series are to be coded as 0-9.(C =1, D= 2 and so on)
2. All the consonants that appear after 'N' in alphabet series are to be coded as 0-9.(Q=1, R=2 and so on)
3. 'N' is to be coded as 1.

**Conditions:**

I. If a word starts with a consonant but ends with a vowel then all the vowels of that word are to be coded as '#' and codes for last and first letters will be interchanged)
II. If a word has more than two vowels then the first vowel is to be coded as &, second vowel as *, third vowel as @ and then repeat the codes in the same sequence from fourth vowel onwards.
III. If in a word a consonant that appears after M is either preceded or followed or both by a vowel then all the vowels of that word are to be coded as '%' and 1 is added to the original code of all consonants. (If after adding 1, the original code comes in double digit then add the digits until single digit is obtained) )
IV. If none of the above conditions is applicable in a word then vowels of such word are coded as '-'.
V. If more than one condition is applicable in a single word then apply all the conditions as per the given order.

**16) Code "#6%3%41@" is for which of the following words?**
a) Chronical   b) Dramatic   c) Charisma   d) Parenting
e) Desperate

**17) What is the code for "Parenting"?**
a) 0&2*14@14   b) 1%3%25%25   c) 1&3*25@25
d) 0%2%14%14   e) None of these

**18) What is the code for 'SOLUTION'?**
a) 3&8*4@&1   b) 4%9%5%%2   c) 3#8&4@&1
d) 3%8%4%%1   e) None of these

**19) Code "1&2%7%334" is for which of the following words?**
a) Benchmark   b) Becowards   c) Broadband   d) Butterfly
e) Blueprint

![ExamPundit - Your Success Partner](www.exampundit.in | pdf.exampundit.in)

**BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions**
**(New Pattern Part-1)**
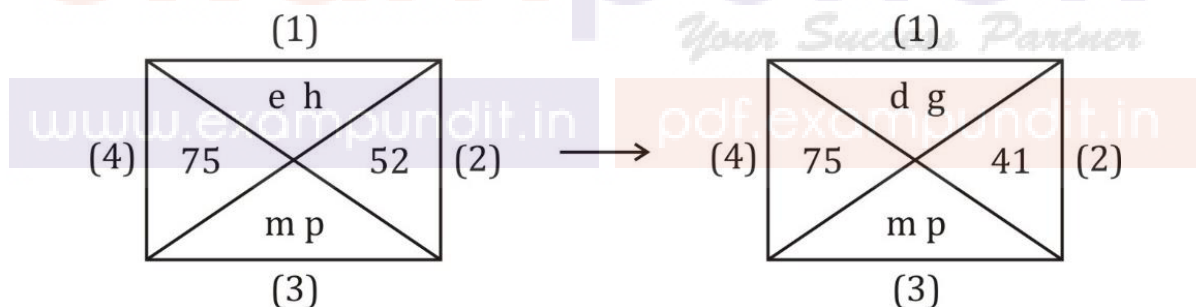**Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams**

**20) What is the code for "Highjacks"?**

a) 5%456%173   b) 5-456-173   c) 5&456*173

d) 5-456-173   e) 5-567-173

**Directions (21-25): Study the following information and answer the questions given below:**

There is four triangles given in question on which we apply some operation individually on each triangle and then convert it into solution. We have to answer the questions from the triangle which comes after the operation applied on the given triangle)
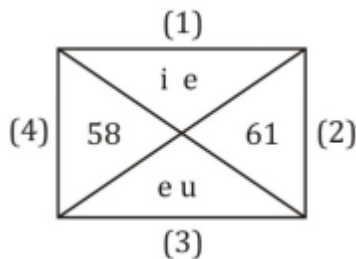
For example-



(1) For triangle 1- if the total letter between given two letters in the triangle 1 is less than three then change each letter to previous letter according to English alphabetical series

(2) For triangle 2- if the difference between given two digit is less than 5 then change the each digit to previous digit.

(3) For triangle 3- if the total letters between given two letters is more than 5 then change the each letter to previous letter according to English alphabetical series.

(4) For triangle 4- if the difference between given two digits is more than 2 then change each digits to previous digit.

**Note:- If the above condition are not applied then we write the digit and letter as it is in solution part.**

Based on the above example solve the given question.

![exampundit - Your Success Partner]
www.exampundit.in | pdf.exampundit.in

**BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)**
**Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams**

**21. How many meaningful words are formed by letter combining from triangle 1 and triangle 3?**

a) None  b) Two  c) Three  d) One  e) Four

**22. What is the sum of each digits which is obtained in triangle 2 and triangle 4?**

a) 17  b) 18  c) 19  d) 20  e) 16

**23. Which of the following letter is obtained in triangle 3?**

a) d, f  b) t, c  c) d, t  d) d, v  e) t, b

**24) What is the product of triangle 2 and triangle 4?**

a) 2687  b) 7628  c) 2786  d) 2867  e) 2876

**25) How many alphabets is/are between the letters obtained in triangle 3?**

a) 10  b) 12  c) 14  d) 13  e) 15

**Direction (26-30): Study the information carefully and answer the questions given below.**

There is 3*5 matrix which can produce signals which in turn help in the illumination of some bulbs. The row of the matrix are denoted by @, % and # from bottom to top and the columns are denoted by the alphabets A, B, C D and E from left to right.

@ row contains number which are consecutive multiple of 7, staring from 28 (from left to right).

% row contains number which are consecutive multiple of 11, starting from 11 (from left to right).

# row contains number which are consecutive multiple of 13, starting from 13 (from left to right).

The matrix helps in producing signals which can be either a single string of number X- or two-line string X and Y.

There are 4 lights P, Q, R and S. Based on the outcome of the strings mentioned above one of the light blinks.

**Condition for blink:**

1. If the outcome is below 85, then P will blink

2. If outcome range is 85-110, then Q blinks

3. If outcome range is 111-210, then R blinks

4. If outcome is greater than 210, then S blinks

**For outcome of the string:**

1. If the string has all even numbers, then outcome of the string is obtained by adding all the numbers.

2. If an odd number is followed by an even number then the one's places of all the two-digit numbers are deleted and, tenth place are multiplied to get the outcome

3. If the string contains 2 prime number, then the tenth's place is deleted from each of the two-digit number and remaining number are multiplied)

4. If no above logic is followed, then simple outcome is addition of the numbers.

**26) If x =#C %D #A #E, then which bulb blink?**

a) S   b) Q   c) P   d) R   e) Either R or S

**27) If X = @A @C #D %B, then which bulb blink?**

a) S   b) Q   c) P   d) R   e) Either P or Q

**28) If X = #A %E %A @B, then which bulb blink?**

a) S   b) Q   c) P   d) R   e) Either P or Q

**29) If X =@A #B @D %C, then which bulb blinks?**
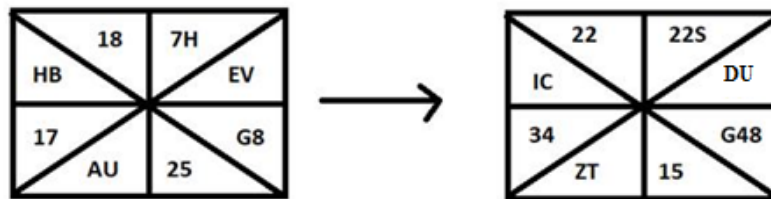
a) S   b) Q   c) P   d) R   e) Either R or S

**30) If X = @E #D @D #E, then which bulb blink?**

a) S   b) Q   c) P   d) R   e) Either R or S

www.exampundit.in | pdf.exampundit.in

**BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)**
**Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams**

**Direction (31-35): Study the given example based on corresponding conditions**



If box contain

A)  Only numbers

1). and it's a prime number then double the number

2). and it's not a prime but an even number then double the number and then subtract 14 from it

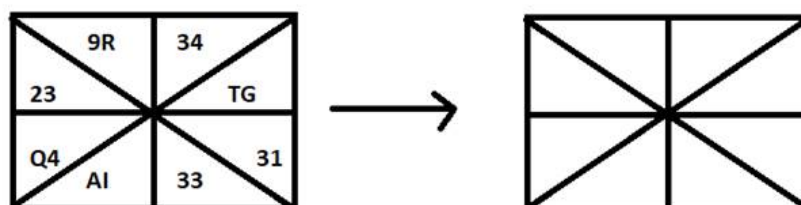3). Otherwise find the difference of both digits and then multiply by 5

B)  Only alphabets

1). If contain both vowels and consonant then replace both the letters by previous letter

2). Otherwise change to next letter

C)  If contain both numbers and alphabet

1). If number is even then change vowel to next letter letters according to English alphabetical order and multiply the number by 6

2). Otherwise replace both vowels & consonant with their opposite letters according to English alphabetical order & add 15 to the number

Study the condition & give answer to following questions (assume after Z, A will come & before A, Z will come)

![exampundit logo]

**BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions
(New Pattern Part-1)
Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams**

**31. If all the letters obtained in final output are arranged in ascending order as per English alphabetical order then how many letters is/are there between the letter which is 2nd from the left end and 3rd from the right end?**

a) 10   b) 8   c) 2   d) 0   e) None of these

**32. How many vowels are there in final output?**

a) 0   b) 1   c) 2   d) 3   e) More than 3

**33. What is the sum of even numbers obtained in final output?**

a) 162   b) 150   c) 132   d) 134   e) None of these

**34. What are the new codes for AI & TG?**

a) BJ & UH respectively    b) ZH & SF respectively   c) ZH & UH respectively   d) GT & ZR respectively
e) None of these

**35. What is the sum of each digit obtained in final output?**

a) 39   b) 41   c) 38   d) 29   e) None of these

**Direction (36-40): Study the information carefully and answer the questions given below.**

There are three buildings A, B and C, and each building has four floors, where topmost floor is numbered as floor 1 and bottommost floor is numbered as floor 4. Each floor has different number of tables. Building A is in west of building B, and building B is in west of building C)

Number of tables in each floor is given as follows:

**Floor 1: 23, 55, 96**
**Floor 2: 84, 19, 38**

**Floor 3: 40, 65, 52**
**Floor 4: 33, 67, 47**

Two dice are thrown simultaneously and the numbers appear are odd and even. Two dices are thrown and the following conditions are to be followed)

i). If number appears on both dice are even, the tables in floor 2 of building A will be divided equally among the four floors of building B)

ii). If number appears on both dice are odd then the table in floor 3 of each building will be added and will be

# exampundit

www.exampundit.in | pdf.exampundit.in

## BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)
## Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams

divided equally among nine remaining floors of three buildings

iii). If the number appears in $1^{st}$ dice is even and in $2^{nd}$ dice is odd then table in floor 4 of building B will be divided equally among the floor 4 of building A and C

iv). If number appears $1^{st}$ dice is odd and in $2^{nd}$ dice is even, then table in floor 1 of building C will be divided equally among the floor 2 of three buildings.

**36. First 5 tables were added to each floor of building B and then throw the dice) If both numbers are odd, then what is the total number of tables in building C?**
a) 235   b) 238   c) 301   d) 317   e) None of these

**37. Dice were thrown twice) If both numbers are even for the 1st time and for the second time) First number is even and second number is odd, then what is the total number of tables in floor 4 of all three buildings?**
a) 202    b) 168   c) 200   d) 180   e) None of these

**38. Dice were thrown once) If first number is odd and the second number is even then what is the total number of tables in building A?**
a) 115   b) 191   c) 115   d) 118   e) None of these

**39. If both numbers are even, then what is the total number of tables in building B?**
a) 196   b) 190   c) 290   d) 200   e) None of these

**40. First 5 tables were added to each floor of building A and then throw the dice) If both numbers are odd, then what is the total number of tables in building B?**
a) 235   b) 200   c) 185   d) 195  e) None of these

**Directions (41-45): In each of these questions a group of letters is given and is followed by combinations of number and symbols. Letters are to be coded as per the scheme and conditions given below.**

Letters to be coded from 2 to 8 as per the English alphabetical order.

For e) g.

B-2, C-3,D-4...J-8,K-2..R-8 and So on.

So the code for the word SCHOOL is @3^7^@, BEAT is #@%@ and TIME is +3#4.

**Conditions:**

i) If the first and last letter of the word is a consonant, both are to be coded as '@'.

ii) If the first letter is a vowel and the last letter is a consonant, the codes are to be interchanged)

iii) If a consonant followed by vowel, then code for both has to be interchanged)

iv)If no vowel is present in a word, then second and third letter code has to be interchanged)

Note: More than one condition can apply for the same word) Conditions are applied as per the given order.

**41. What is the code for CHILDREN?**

# exampundit
*Your Success Partner*

www.exampundit.in | pdf.exampundit.in

## BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)
## Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams

a) 3+734#85   b) @+734#85   c) @+743#8@

d) @+734#8@   e) None of these

**42.What is the code for COLLEGE FIRE?**

a) 5+#8 ^33#336   b) +58# ^33#336

c) +5#8 ^33#3#6   d) +5#8 ^33#363

e) None of these

**43. What is the code for ENDANGER TRY?**

a) #5%45#68 @8@   b) 85%45##6 @8@

c) 85%45#6# 783   d) 85%45#6# 387

e) None of these

**44. What is the code for CRYPT?**

a) @687@   b) @876@   c) @768@   d) @786@

e) None of these

**45. What is the code for EMERGENCY?**

a) 7#486#53#   b) 7#48#653#   c) 7#48#563#

d) 7#48#65#3   e)  None of these

**(Directions 46-50): Study the following information carefully and answer the questions given below it.**

There is a 5×5 matrix which can produce signals which in turn help in illumination of some bulbs. The rows of the matrix are denoted by @, %, &, £ and ¥ from bottom to top in the same order and the columns are denoted by A, B, C, D and E from left to right:

¥ row contains numbers which are consecutive multiple of '9' starting from '36'.

£ row contains numbers which are consecutive multiple of '13'.

& row contains numbers which are consecutive multiple of '8' starting from '32'.

% row contains numbers which are consecutive multiple of '7'.

@ row contains numbers which are consecutive multiple of '11'.

**Note:** If the starting number of a multiple is not given; then start the row from the same number.

**E) g.:** If a row contains numbers which are consecutive multiple of '5'. Then the row might be as follows;

| 5 | 10 | 15 | 20 | 25 |
|---|----|----|----|----|

The matrix helps in producing signals which is a string of numbers. There are four bulbs P, Q, R and S. Based on the outcome of the string one of the bulb blinks.

**Condition for blink:-**

I. If outcome of the string is below 80, the bulb Q blinks.

II. If outcome of the string is between 90 and 110, the bulb S blinks.

III. If outcome of the string is between 125 and 150, the bulb P blinks.

IV. If outcome of the string is between 175 and 200, the bulb R blinks.

Your Success Partner

www.exampundit.in | pdf.exampundit.in

**BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)**
**Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams**

V. If none of the above condition follows then, no bulb blinks.

**For outcome of the string:**

I. If all the numbers of the string is an even number then, outcome is obtained by multiplying unit digit of all the two digit numbers.

II. If a prime number is followed by another prime number then, outcome is obtained by sum of all two digits number.

III. If a prime number is followed by a perfect square then, outcome is obtained by multiplying tenth place of all the numbers.

**46. If Y = £B &E %D @D, then which of the following bulb blinks?**
a) R   b) P   c) Q   d) S   e) None blinks

**47. If X = ¥C @D £B @B, then which of the following bulb blinks?**
a) R   b) Q   c) P   d) S   e) None blinks

**48. If X = ¥A %D @B @D, then which of the following bulb blinks?**
a) S   b) Q   c) P   d) R   e) None blinks

**49. If X = £E @D %A £A, then which of the following bulb blinks?**
a) R   b) P   c) Q   d) S   e) None blinks

**50.If X = @A &E %C @B, then which of the following bulb blinks?**
a) R   b) Q   c) S   d) P   e) None blinks

## Answer Key with Explanation

**Solution (1-5)**

Sol. In this new pattern coding decoding each letter, except vowel and Z, is assigned a number from 1-10 So, B-1, C-2, D-3, F-4, G-5, H-6, J-7, K-8, L-9, M-10, N-1, P-2, Q-3, R-4, S-5, T-6, V-7, W-8, X-9, Y-10.
Each vowel is assigned a different symbol as-%, #, $, @, *, & So, For vowels the symbols are - A-@, E-*, I-#, O-$, U-% and Z-&.

1. D   2. B   3. C   4. B   5. D

**Solution (6-10)**

```
%  1  2  3  &  4  5  6  @  7  8  1  2
A  B  C  D  E  F  G  H  I  J  K  L  M
Z  Y  X  W  V  U  T  S  R  Q  P  O  N
5  4  3  2  1  #  8  7  6  5  4  !  3
```

**6. E**

Hence, it follows condition (iii)- +3*+6&

**7. B**

Hence, it does not follow any condition - 7%284!8

**8. E**

Does not follow any condition- 1&88&6  1%8&   86%3
3&1&6.

**9. A**

Hence, it follows condition (iii) – 8+2+13%3#

**10. D**

**Solution (11-15)**

B=1, C=2, D=3, F=4, G=5, H=6, J=7, K=8

L=1, M=2, N=3, P=4, Q=5, R=6, S=7, T=8

V=1, W=2, X=3, Y=4, Z=5

**11. D**

From condition II,

Symbol→ S#mbol→7#21O1

**12. B**

From condition I,

home→emoh→E2O6

**13. B**

From condition II,

chart→ 2#A68

From condition I,

picture→ERUTCIP→E6U82I4

**14. A**

From condition III,

inside→%ns%de→%37%3%

**15. C**

From condition IV,

addiction→ A$$I28IO3

**Solution (16-20)**

**BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)**
**Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams**

Codes for consonants before 'N'

| Code Numbers | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| Letters | B | C | D | F | G | H | J | K | L | M |

Codes for consonants after 'N'

| Code Numbers | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| Letters | P | Q | R | S | T | V | W | X | Y | Z |

**16. C**

Conditions I, II and III are applicable on the word 'Charisma'.

After condition i: #5#1#291

After condition ii: #5&2*39@

After condition iii: #6%3%41@

**17. B**

Conditions II and III are applicable on the word 'Parenting'.

After Condition II: 0&2*14@14

After Condition III: 1%3%25%25

**18. B**

Conditions II and III are applicable on the word 'Solution'.

After Condition II: 3&8*4@&1

After Condition III: 4%9%5%%2

**19. B**

Let us check each of the options one by one starting with option 1.

Only Condition III applicable on the word 'Benchmark'.

After Condition III: 1%2261%38

Clearly, option 1 is not the right answer.Now, let's check option 2.

Conditions II and III are applicable on the word 'Becowards'.

After Condition II: 0&1*6@223

# exampundit
## Your Success Partner
www.exampundit.in | pdf.exampundit.in

**BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions (New Pattern Part-1)**
**Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams**

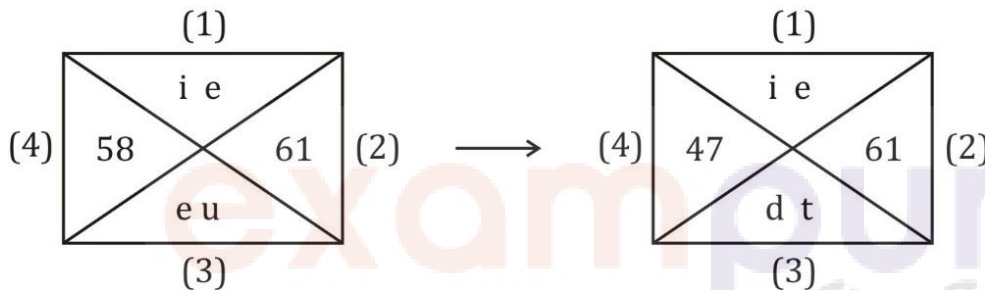After Condition III: 1&2%7%334

Hence option 2 is correct.

**20. B**

None of the above conditions is applicable on the word 'Highjacks'.

After Condition IV: 5-456-173

**Solution (21-25)**



**21. E   22. B   23. C   24. D   25. E**

**Solution (26-30)**

From the above given conditions the matrix will be---

| Rows↓/Column→ | A | B | C | D | E |
|---|---|---|---|---|---|
| # | 13 | 26 | 39 | 52 | 65 |
| % | 11 | 22 | 33 | 44 | 55 |
| @ | 28 | 35 | 42 | 49 | 56 |

**26. C**

x = #C %D #A #E

So, x = 39 44 13 65

As it is clear that condition (2) is applicable in the above ques so the outcome will be—

Outcome = 3*4*1*6 = 72

As the outcome is below 85, so clearly P will blink

**27. D**

X = @A @C #D %B

So, X = 28 42 52 22

As it is clear that condition (1) is applicable in the above ques so the outcome will be—

Outcome=28+42+52+22=144

As the outcome is 111-210, so clearly R will blink.

**28. C**

X = #A%E %A @B

So, X = 13 55 11 35

As it is clear that condition (3) is applicable in the above ques so the outcome will be—

Outcome= 3*5*1*5= 75

As the outcome is below 85, so clearly P will blink.

**29. D**

X =@A#B@D%C

So, X = 28 26 49 33

As it is clear that condition (4) is applicable in the above ques so the outcome will be—

Outcome= 28+26+49+33=136

As the outcome is 111-210, so clearly R will blink.

**30. A**

X = @E#D@D#E

So, X = 56 52 49 65

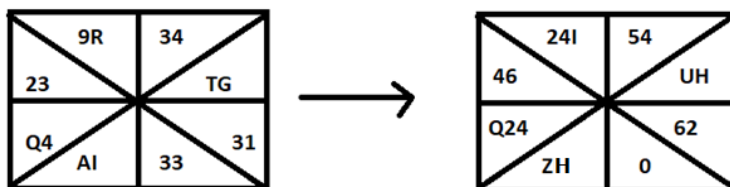As it is clear that condition (4) is applicable in the above ques so the outcome will be—

Outcome= 56+52+49+65=222

As the outcome is greater than 210, so S blink.

**Answer Key with Explanation**

**Solution (31-35)**

- '34' → '54', Condition (a-2) is used
- 'TG' → 'UH', Condition (b-2) is used
- '31' → '62', Condition (a-1) is used
- '33' → '0', Condition (a-3) is used
- 'AI' → 'ZH', Condition (b-1) is used
- 'Q4' → 'Q24', Condition (c-1) is used
- '23' → '46', Condition (a-1) is used
- '9R' → '24I', Condition (c-2) is used
- '34' → '54', Condition (a-2) is used
- 'TG' → 'UH', Condition (b-2) is used
- '31' → '62', Condition (a-1) is used



31. B

32. C

33. A

54+46+62 = 162

34. C

35. A

2+4+5+4+6+2+0+2+4+4+6= 39

**Solution (36-40)**

**36. A**

Adding 5 to building B= 60    24    70    72

After dice thrown, condition (ii) follows

Table in floor 3 = 40+70+52= 162/9= 18

Adding 18 to nine remaining floors of three buildings;

Floor 1: 41    78    114

Floor 2: 102    42    56

Floor 3: 0    0    0

Floor 4: 51    90    65

Total number of tables in building C= 114+56+0+65 = 235

**37. B**

Condition (i) & (iii) follows

By condition 1, floor 2 of building A = 84/4= 21

Then,

Floor 1: 23    76    96

Floor 2: 0    40    38

Floor 3: 40    86    52

Floor 4: 33    88    47

By condition (iii) floor 4 of building B= 88/2= 44, then

Floor 1: 23    76    96

Floor 2: 0    40    38

Floor 3: 40    86    52

Floor 4: 77    0    91

Total tables in floor 4 of all three buildings= 77+0+91= 168

**38. E**

Here condition (iv) follows

Floor 1 of building C= 96/3= 32

Total number of chairs in building A= 116+51+70= 237

**39. C**

Condition (i) follows, floor 2 of building A = 84/4= 21

Then building B= 76+40+86+88= 290

**40. D**

Adding 5 to building A= 28    89    45    38

After dice thrown, condition (ii) follows

Table in floor 3 = 45+65+52= 162/9= 18

Adding 18 to nine remaining floors of three buildings;

Floor 1: 46    73    114

Floor 2: 107    37    56

Floor 3: 0    0    0

Floor 4: 56    85    65

Total number of tables in building C= 73+37+0+85 = 195

**Solution (41-45)**

A-%, B-2, C-3, D-4, E-#, F-5, G-6, H-7, I-+, J-8, K-2, L-3, M-4, N-5, O-^, P-6, Q-7, R-8, S-2, T-3, V-4, W-5, X-6, Y-7, Z-8.

**41. D**

Condition (i) and (iii) applies

CHILDREN = **@+734#8@**

**42. C**

Condition (iii) applies = COLLEGE = **^33#3#6**

Condition (iii) applies =FIRE = **+5#8**

**43. E**

Condition (ii) and (iii) applies = ENDANGER =

**85%45#6#**

Condition (ii) applies = TRY = **@@8**

**44. D**

Condition (i) and (iv) applies = CRYPT = **@786@**

**45. B**

Condition (ii) and (iii) applies = EMERGENCY =

**7#48#653#**


**Solution (46-50)**

|   | A | B | C | D | E |
|---|---|---|---|---|---|
| ¥ | 36 | 45 | 54 | 63 | 72 |
| £ | 13 | 26 | 39 | 52 | 65 |
| & | 32 | 40 | 48 | 56 | 64 |
| % | 7 | 14 | 21 | 28 | 35 |
| @ | 11 | 22 | 33 | 44 | 55 |

**46. E**

Y = £B &E £A @D

So, Y = 26 64 28 44

As it is clear that condition (i) is applicable in the above

ques so the outcome will be—

Outcome = 6*4*8*4 = 768

so clearly None blinks.


**47. A**

X = ¥C @D £B @B

So, X = 54 44 26 22

As it is clear that condition (iv) is applicable in the

above ques so the outcome will be—

Outcome = 4*4*6*2 = 192

so clearly R will blink


**48. E**

X = ¥A %D @B @D

So, X = 36 28 22 44

As it is clear that condition (i) is applicable in the above

ques so the outcome will be—

Outcome = 6*8*2*4 = 384

So clearly NONE blink


**49. B**

X = £E @D %A £A

So, X = 65 44 7 13

As it is clear that condition (ii) is applicable in the

above ques so the outcome will be—

Outcome = 65+44+7+13 = 129

So clearly P will blink


**50. B**

X = @A &E %C @B

So, X = 11 64 21 22

As it is clear that condition (iii) is applicable in the

above ques so the outcome will be—

Outcome = 1*6*2*2 = 24

so clearly Q will blink

# exampundit

www.exampundit.in | pdf.exampundit.in

**BOOST UP PDFS | Reasoning Ability | Coding Decoding Questions
(New Pattern Part-1)**
**Recommend for SBI PO, SBI Clerk, IBPS RRB/PO/Clerk Exams**