



BANKING PYQ's

For All Banking Exams

VOLUME – 3

Reasoning

Banking PYQ's

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GENERAL SERIES OF ALPHABET

Direction (1-4): Read the following information carefully and answer the given questions below;

G M Z P Q R S U T A B I J K O N S P C E D F
A H L G I M S V P O

- Q.1** How many elements are there between the 15th element from the left end and 23rd element from the right end? **[IBPS Clerk 2020]**
(A) Three (B) Four
(C) Eight (D) Six
(E) Two
- Q.2** How many elements are there which are immediately followed by vowel and immediately preceded by consonant? **[IBPS Clerk 2020]**
(A) Four (B) Two
(C) Seven (D) Eight
(E) Six
- Q.3** How many vowels are there between the 9th element from the right end and 5th element from the left end? **[IBPS Clerk 2020]**
(A) Six (B) Nine
(C) Eleven (D) Fourteen
(E) None
- Q.4** Which of the following element is 7th from the left of the 21st from the left end? **[IBPS Clerk 2020]**
(A) M (B) O
(C) I (D) K
(E) J

Direction (5-9): On the basis of the alphabets given below, answer the following questions:

T R G S O I W P A Q D V E U X Z B Y C H F

- Q.5** How many such consonants are there in the above series, each of which is immediately preceded by a vowel and followed by a consonant? **[SBI Clerk 2025]**
(A) Three (B) Two
(C) One (D) Five
(E) Six
- Q.6** How many such vowels are there in the above series, each of which is immediately preceded by a vowel and followed by a consonant? **[SBI Clerk 2025]**
(A) Three (B) One
(C) Two (D) Five
(E) Six
- Q.7** If all the vowels are dropped from the above arrangement, which letter will be the fourth letter to the left of the ninth letter from the left end? **[SBI Clerk 2025]**
(A) P (B) W
(C) A (D) I
(E) S

- Q.8** In the above alphabets, if each letter starting from S, is represented by the day of the week starting from Sunday, then what is the position of first occurring Sunday from the right? **[SBI Clerk 2025]**

(A) Sixth (B) Seventh
(C) Third (D) Eighth
(E) Fourth

- Q.9** In the following letter clusters, which will replace the question mark (?) PQD, SAY, EBY, WEY, ? **[SBI Clerk 2025]**

(A) RFD (B) AYZ
(C) OQW (D) RZP
(E) QUX

- Q.10** If all the vowels in the word 'RHAPSODY' are shifted by two forward places according to the English alphabet series and all the consonants are shifted by four backward places according to the English alphabet series, the alphabets thus obtained are then placed in alphabetical order, starting from the left to the right. What is the difference between the position in the alphabetical series of the second letter from the right end and the fourth letter from the left end of the newly formed arrangement?

[SBI Clerk 2024]

(A) 10 (B) 12
(C) 11 (D) 7
(E) 9

- Q.11** If all the vowels of the word 'UMBRELLA' are changed to the letter which sits two positions behind in the English alphabetical series and all the consonants are changed to the letter which sits two positions ahead in the English alphabetical series, then the alphabets thus obtained are arranged in reverse order, starting from the left to the right, according to the English alphabetical series. Which of the following is the combination of letters that are second from the left end and second from the right end respectively of the newly formed rearranged sequence? **[IBPS PO 2024]**

(A) CS (B) NO
(C) YC (D) NN
(E) TD

RANDOM SEQUENCE OF ALPHABETS

Direction: Following questions are based on five words given below. TSR FKL FGO VQE HDB (The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words)



ARRANGEMENT AND PATTERN

Q.12 How many letters are there in between the third letter of the fourth word from the left end and first letter of the third word from the right end as per the alphabetical series?

[IBPS Clerk 2023]

- (A) Five (B) Four
(C) One (D) Three
(E) None

Direction: Answer the the sequence of numbers given. 6 6 5 9 9 6 9 9 6 2 1 6 7 9 9 9 8 5 2 6 9 5 9 5 9 5 6 9 9

Q.13 How many numbers are prime that are there in the sequence (consider each digit as a different one)?

[SBI Clerk 2025]

- (A) 3 (B) 4
(C) 5 (D) 7
(E) 8

Direction: Study the following alphabet series and answer the questions that follow. R J S M O C E G N I H B K Y X U F W L P A V T Z D Q

Q.14 Four out of five are the same in a certain way and thus form a group. Which among the following does not belong to that group?

[SBI Apprentice 2021]

- (A) M – E (B) N – B
(C) F – P (D) I – E
(E) A – Z

Direction: Study the following series carefully and answer the question given below. M F J O L Q W E R T Y U P A H D G I N X Z C V B S K

Q.15 How many vowels are there in the given series which is immediately followed by a letter which comes after 'M' in alphabetical series?

[IBPS Clerk 2021]

- (A) None (B) One
(C) Two (D) Three
(E) More than four

Direction: Study the information given below carefully and answer the questions that follow. Given below are the five words of three letters each. UMF TRE QPO VIR GAT (The new words formed after performing the mentioned operations may or may not be meaningful English words)

Q.16 If letters of each word are arranged in descending order as per the English alphabetical series then how many words will end with a consonant?

[IBPS Clerk 2022]

- (A) One (B) Three
(C) Four (D) Two
(E) Five

Direction: Study the following letter series and give the answer to questions which are based on this letter series. A B C F E D G H I L K J M N O R Q P S T U X W V Y Z

Q.17 How many letters are not in their usual place in the alphabetic order?

[IBPS PO 2023]

- (A) 7 (B) 9
(C) 8 (D) 10
(E) None of these

Q.18 If all the letters of the word "FRONTIER" are arranged in alphabetical order starting from the left end, then how many letters are there in English alphabets between the letters which are fifth from the right end and fourth to the left of the seventh letter from the left end?

[SBI PO 2023]

- (A) Five (B) Four
(C) Two (D) Three
(E) More than Five

Q.19 If it is possible to make only one seven letter meaningful English word with the 1st, 4th, 5th, and 7th letter of the word PRIORITY and 3rd, 5th, and 6th letter of the word SECTOR, which of the following will be the first letter from left of that word? If no such word can be made give 'X' as the answer and if more than one such word can be made give 'Y' as the answer.

[SBI PO 2021]

- (A) P (B) R
(C) Y (D) O
(E) X

DICTIONARY OR ALPHABET BASED

Q.20 Direction: In the given word "AUTHORISE" replace the consonants with the succeeding letter as per the English alphabet series and vowel with their preceding letter as per the English alphabet series. Then arrange the letters in reverse alphabetical order from right to left. Which of the following letter is third from the left end after arrangement? [IBPS Clerk 2022]

- (A) D (B) H
(C) I (D) N
(E) S



ARRANGEMENT AND PATTERN

Q.21 Direction: Study the following information carefully and answer the question given below. If in the word "NEEDFUL" each consonant is replaced by the next alphabet and each vowel is replaced by the previous alphabet in the English alphabetical order then, which of the following will be the fifth letter from the left end?

[RRB Officer Scale - I 2024]

- (A) D (B) G
(C) T (D) O
(E) None of these

Q.22 Direction: Study the following information carefully and answer the question given below. If in the word "VENEZUELA" each consonant is replaced by the next alphabet and each vowel is replaced by the previous alphabet of the English alphabetical series then which of the following will be the Fourth letter from the left end? (Note: A is the next alphabet after Z and the previous alphabet before A is Z).

[RRB Officer Scale - I 2023]

- (A) O (B) A
(C) M (D) D
(E) T

Q.23 Direction: Read the following information carefully and answer the given questions. If it is possible to make a meaningful four-letter English word from the third, fifth, sixth, and eighth from the left end of the word "DIABETES", then which of the following will be the second letter of that word from the right end? If more than one such word can be made then give 'Z' as the answer and if no such word can be formed then give 'X' as the answer.

[SBI PO 2023]

- (A) S (B) A
(C) E (D) X
(E) Z

Q.24 Each vowel in the word "BACHELOR" is changed to the letter following it in the English alphabetical order and each consonant is changed to the letter preceding it in the English alphabetical order. If each letter, thus formed is arranged in alphabetical order, which letter will be fourth from the Left? [EPFO SSA 2023]

- (A) F (B) B
(C) G (D) K
(E) None of these

Q.25 In the given group of letter "ABSUDSX" if every letter which is at even position is replaced by previous letter and every letter which is at odd position is replaced by next letter according to English alphabet dictionary then how many three letter meaningful English words can be formed by 2nd, 6th and 7th letter after rearrangement. No letter will be repeated. If one word is formed then what will be 1st letter of that word. If two word can be formed answer will be Y and more than three words are formed, answer will be Z.

[IDBI Executive 2023]

- (A) X (B) Y
(C) Z (D) A
(E) None of these

Q.26 In the following question, five different words are given in the options. Along with each word, positions of four letters in that word are given and the positions of the letters are counted from the left end of the word. Four lettered meaningful word can be formed from the letters corresponding to the positions given in each option without jumbling the letters. Which of the following options will give a meaningful English word? [SBI Clerk 2024]

- (A) Claustrophobia - 2, 7, 12, 14
(B) Photosynthesis - 2, 7, 8, 12
(C) Incomprehensive - 3, 4, 10, 12
(D) Notwithstanding - 4, 5, 11, 12
(E) Parallelogram - 6, 7, 12, 13

Q.27 There are four words given in each option that follows a certain logic, if the second letter from the left of each word is taken then a meaningful word can be formed, find the odd one which does not follow the same pattern.

[IBPS Clerk 2024]

- (A) DPKI, LINL, HAET, JRER
(B) KTDN, QPON, REOT, WSRU.
(C) NBRT, MDOK, CISU, QREP
(D) BRMI, YTOL, KUST, MHTR
(E) AXSE, NBVC, KHGR, RYTD

Q.28 What is the third letter of the three-letter word from the left end that can be formed using the first, sixth, and ninth letter of the word "Education" (from the left end) such that each letter should be used only once? If no such word can be formed mark your answer as 'X' and if more than one word can be formed mark your answer as 'Y'.

[RRB Officer Scale - I 2024]

- (A) N (B) X
(C) T (D) Y
(E) E

ARRANGEMENT AND PATTERN

Q.29 If it is possible to make only one 4 letters meaningful word without repetition from the first, fourth, fifth, and the ninth letters of the word 'ABBREVIATE', which would be the second letter of the word? If more than one such word can be formed, give X as the answer. If no such word can be formed, give K as your answer. **[IBPS PO 2020]**

- (A) A (B) B
(C) E (D) X
(E) K

Q.30 If it is possible to make only one 4 letters meaningful word without repetition of the letter with the third, fifth, ninth and twelfth letters of the word 'COMPENSATION', which would be the third letter of the word from the left? If more than one such word can be formed, give X as the answer. If no such word can be formed, give K as your answer. **[SBI Clerk 2024]**

- (A) M (B) E
(C) N (D) K
(E) X

Q.31 If it is possible to make only one 4 letters meaningful word without repetition of the letter with the first, second, third and the eighth letters of the word 'MAGAZINE', which would be the third letter from the left of the word? If more than one such word can be formed, give X as the answer. If no such word can be formed, give K as your answer. **[SBI PO 2021]**

- (A) M (B) A
(C) G (D) K
(E) X

Q.32 If it is possible to make a meaningful word with the second, fifth, seventh and eleventh letters of the word "EVAPORATION" which of the following will be third letter from left end of newly formed word? If more than one such word can be made, give X as answer and if no such word can be made, give Y as the answer. **[IBPS PO 2022]**

- (A) V (B) O
(C) X (D) Y
(E) N

Q.33 If it is possible to make a meaningful word with the third, sixth, seventh and eighth letters of the word " REGENERATION" which of the following will be the second letter from the right end of that newly formed word? If more than one such word can be made, give M as the answer and if no such word can be made, give Y as the answer? **[SBI Clerk 2025]**

- (A) M (B) E
(C) Y (D) A
(E) R

Q.34 If it is possible to make only one meaningful 4 letter English word with the 1st, 3rd, 6th, and 8th letter of the word PROPELLER, which of the following will be the third letter from the left of that word? If no such word can be made give 'X' as the answer and if more than one such word can be made give 'Y' as the answer. **[SBI PO 2022]**

- (A) X (B) O
(C) L (D) Y
(E) E

Q.35 If it is possible to make only one 5-letter English word with the 1st, 3rd, 7th, 8th and 12th letters of the word 'APPROACHABLE', which of the following will be the second letter from the left end of that word? If no such word can be made give 'Y' as the answer and if more than one such word can be made give 'Z' as the answer. **[IBPS PO 2023]**

- (A) Y (B) E
(C) Z (D) A
(E) R

Q.36 If it is possible to make only one 4 letter meaningful word without repetition of letter with the first, seventh, ninth and the eleventh letters of the word 'CONSTUPRATE', which would be the second letter of the word? If more than one such word can be formed, give X as the answer. If no such word can be formed, give K as your answer. **[SBI PO 2021]**

- (A) K (B) C
(C) A (D) E
(E) X

Q.37 If it is possible to make only one 4 letter meaningful word without repetition of letter with the second, fourth, sixth and the eighth letters of the word 'DIALOGUE', which would be the second letter of the word? If more than one such word can be formed, give X as the answer. If no such word can be formed, give K as your answer. **[RRB Officer Scale - I 2021]**

- (A) I (B) E
(C) G (D) X
(E) K

Q.38 If in the word 'SOFTWARE', all the vowels are first arranged alphabetically and then all the consonants are arranged alphabetically and then all the vowels are replaced by the next letters and the consonants are replaced by the previous letters from English alphabet. Which letter will be fourth from the left end? **[IBPS Clerk 2020]**

- (A) E (B) P
(C) Q (D) R
(E) F

ARRANGEMENT AND PATTERN

Q.39 If it is possible to make only one meaningful English word with the 3rd, 7th, 11th and 12th letters of the word CONCENTRATION, which of the following will be the third letter of that word? If no such word can be made give 'X' as the answer and if more than one such word can be made give 'Y' as the answer.

[IDBI Executive 2022]

- | | |
|-------|-------|
| (A) C | (B) I |
| (C) T | (D) X |
| (E) Y | |

Q.40 If it is possible to make only one meaningful English word with the 1st, 3rd, 4th, and 5th letters of the word DEPRESSION, which of the following will be the third letter from left of that word? If no such word can be made give 'X' as the answer and if more than one such word can be made give 'Y' as the answer.

[RRB Officer Scale - I 2022]

- | | |
|-------|-------|
| (A) E | (B) R |
| (C) P | (D) X |
| (E) Y | |

Q.41 If it is possible to make only one four-letter meaningful English word with the 4th, 8th, 10th and 11th letters of word GALACTOMETER, which of the following will be the second letter from the left of that word? If no such word can be made give 'X' as the answer and if more than one such word can be made give 'Y' as the answer.

[SBI PO 2022]

- | | |
|-------|-------|
| (A) E | (B) A |
| (C) Y | (D) M |
| (E) X | |

Q.42 If it is possible to make only one meaningful English word with the 1st, 5th, 6th, and 8th letters of the word KNOWLEDGE, which of the following will be the third letter of that word? If no such word can be made give 'X' as the answer and if more than one such word can be made give 'Y' as the answer.

[IBPS PO 2023]

- | | |
|-------|-------|
| (A) E | (B) D |
| (C) P | (D) X |
| (E) Y | |

Q.43 If it is possible to make only one meaningful English word with the 1st, 3rd, 5th, and 10th letters of the word MECHANICAL, which of the following will be the third letter of that word? If no such word can be made give 'X' as the answer and if more than one such word can be made give 'Y' as the answer.

[IBPS Clerk 2024]

- | | |
|-------|-------|
| (A) M | (B) L |
| (C) C | (D) X |
| (E) Y | |

Q.44 1 is added to the first digit, subtracted from the second digit, added to the third digit, and so on in the number '597628537463'. The final number is formed by interchanging the digits of the resulting number, that is the first and the second digits are interchanged, the third and the fourth digits are interchanged and so on. What is the difference between the smallest three digit number in the number system and the sum of all the digits of the final number thus obtained? [SBI Clerk 2024]

- | | |
|--------|--------|
| (A) 39 | (B) 33 |
| (C) 35 | (D) 41 |
| (E) 36 | |

NUMBER ARRANGEMENT

Direction: Study the following numeric sequence and answer the question given below. 4 3 1 5 7 8 3 1 6 2 9 7 1 2 1 3 5 2 6 8 6 5 4 3 2 1 3 8 7

Q.45 How many odd numbers are there which are immediately preceded by a perfect square?

[IBPS Clerk 2022]

- | | |
|--------------------|----------|
| (A) One | (B) Two |
| (C) Three | (D) Four |
| (E) More than four | |



Direction: The following questions are based on the five three-digit numbers given below.

483 396 625 834 967

Q.46 If 2 is added to the last digit of each number and then the positions of the first and the second digits are interchanged, which of the following will be the highest number?

[SBI Clerk 2022]

- | | |
|---------|---------|
| (A) 396 | (B) 625 |
| (C) 967 | (D) 834 |
| (E) 483 | |

ARRANGEMENT AND PATTERN

Direction: The following questions are based on the five numbers given below. 712 843 648 257 423

Q.47 If one is subtracted from the middle digit of all the numbers, then which of the following numbers is the largest?

[IBPS Clerk 2020]

- | | |
|---------|---------|
| (A) 712 | (B) 843 |
| (C) 648 | (D) 257 |
| (E) 423 | |

Direction: The following questions are based on the five three-digit numbers given below;

824 625 769 983 726

Q.48 How many numbers are greater than that the average of all the five numbers?

[SBI Clerk 2024]

- | | |
|-------|-------|
| (A) 4 | (B) 3 |
| (C) 2 | (D) 1 |
| (E) 5 | |

Direction: Following questions are based on the five four-digit numbers given below, Study the following numbers and answer the following question: 243 874 923 456 721

Q.49 If the first and the last digit are interchange in the given sequence then which of the following is the lowest number?

[IBPS Clerk 2022]

- | | |
|---------|---------|
| (A) 243 | (B) 874 |
| (C) 923 | (D) 456 |
| (E) 721 | |

Q.50 Directions: Read the given information carefully and answer the following questions. If 2 is added to each of the odd digits, 3 is subtracted from each of the even digits and we eliminate the second and third terms from the right side in the number '754846813', then the sum of prime numbers is.

[SBI PO 2023]

- | | |
|--------|--------|
| (A) 17 | (B) 20 |
| (C) 15 | (D) 12 |
| (E) 18 | |

Q.51 Directions: Read the given information carefully and answer the following questions. How many such pairs of digits are there in the number "2947159842", each of which has as many digits between them in the number (both forward and backward direction) as they have between them in the numerical series?

[IBPS PO 2023]

- | | |
|-----------|---------|
| (A) Five | (B) Two |
| (C) Four | (D) One |
| (E) Three | |

Q.52 If 3 is subtracted from all the digits greater than 5 and 2 is added to all the digits less than 5 in the number '847239671', then how many digits are repeated in the newly formed number?

[IBPS Clerk 2024]

- | | |
|-----------|----------|
| (A) Three | (B) Two |
| (C) None | (D) Five |
| (E) Four | |

Q.53 If each of the odd digits in the number 8463247 is increased by '1' and each of the even digits is decreased by '1', then which of the following will be the sum of the digits of the number?

[SBI Clerk 2025]

- | | |
|--------|--------|
| (A) 32 | (B) 31 |
| (C) 28 | (D) 29 |
| (E) 30 | |

Q.54 If in the number '7328856145' 2 is added to the odd numbers and 2 is subtracted from the even numbers, then find how many numbers are repeated more than once?

[RRB Officer Scale - I 2023]

- | | |
|-----------|----------|
| (A) One | (B) Two |
| (C) Three | (D) Four |
| (E) Five | |

Q.55 If in the number '78742639258' the prime numbered digits are increased by 1, then how many such digits are there in the number thus formed which appear only once?

[RRB Officer Scale - I 2023]

- | | |
|----------|-----------|
| (A) None | (B) One |
| (C) Two | (D) Three |
| (E) Four | |

Q.56 If odd digits in the given number "286354256" are increased by three and the even digit of the number is decreased by two, then what is the sum of all the digits of the number thus formed?

[SBI PO 2023]

- | | |
|--------|--------|
| (A) 40 | (B) 30 |
| (C) 38 | (D) 35 |
| (E) 34 | |

MIXED SERIES

Directions: Study the following information carefully to answer the given questions:



M 1 E & D 2 G 9 \$ F @ 4 N Z W © 8 C Y A * 6

Q.57 Four of following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

[IBPS Clerk 2024]

- | | |
|-------------------|----------|
| (A) ME2 | (B) G\$4 |
| (C) NWC | (D) YA6 |
| (E) None of these | |

ARRANGEMENT AND PATTERN

Directions: Study the following information carefully to answer the given questions: 6 U # 7 Y * X @ Q 9 L S % \$ V M 3 F 2 K 1 5 Z & 4 C * O ? D

Q.58 How many such numbers are there which are immediately preceded by a symbol in the given arrangement? **[SBI Clerk 2022]**

- (A) Two (B) One
(C) Three (D) Five
(E) Four

Direction: Read the following information carefully and answer the question asked below 7 M 4 \$ G U * 5 % @ X 3 # S & 2 9 Δ I 8 O 1 J © 6 V P ^

Step 1: The letters which are immediately preceded by number are to be arranged in the alphabetical order immediately after the last element of the series.

Step 2: The number which is immediately followed by another number and immediately preceded by the symbol are to be arranged in descending order immediately after the last element of the series.

Step 3: The symbol which is immediately preceded by a letter is to be interchange with the element that immediately followed that symbol.

Note – Step 2 is performed after completion of step 1 and step 3 is to be performed after completion of step 2.

Q.59 How many letters are there between the fourth element from the right and twelfth element from the right after completion of all the steps? **[IBPS Clerk 2020]**

- (A) One (B) Two
(C) Three (D) Four
(E) More than four

Direction: These questions are based on the following arrangement of letters, numbers and symbols. T 5 S # R 2 1 * A & Z 7 C ? 4 P 6 E 8 K Y @ 3 F \$

Q.60 How many such letters are there in the arrangement, each of which is immediately preceded by a number?

[IDBI Executive 2022]

- (A) Two (B) Three
(C) Four (D) Five
(E) More than five

Direction: Study the following arrangement carefully and answer the questions given below:

N T * I A ^ \$ J # B * B U A R Q D & L O @ P T ! F

Q.61 How many such symbols are there in the above series which is immediately followed by a consonant and immediately preceded by vowel? **[SBI Clerk 2022]**

- (A) Two (B) Three
(C) One (D) Four
(E) None of these

Directions: Refer to the alphanumeric series given below and answer the following questions: 5 3 9 L 5 6 G 8 C 9 2 5 S 8 1 M 5 R Y 8 3 T D A 6 U H Y 6 J 2 1 E F O

Q.62 Choose the pair which follows the same logic G5C, S21, Y53, 6DH, ?

[IBPS Clerk 2020]

- (A) 26E (B) 2JF
(C) 1JE (D) PYR
(E) None of these

Direction: Study the following arrangement and answer the question: 7 T @ 5 M D 9 X % V O \$ 2 B ! 7 3 > 6 G & K 1

Q.63 If all the symbols are dropped from the arrangement then which element will be the 4th element to the left of the 2nd element from the right end of the arrangement to form? **[IBPS Clerk 2023]**

- (A) 2 (B) B
(C) 3 (D) 7
(E) O

Direction: Study the following arrangement and answer the given question carefully B # M I N E & > G P * F \$ X R % A ? @ D ! Q

Q.64 How many symbols are there between 4th element from the right end and E?

[IBPS Clerk 2023]

- (A) Four (B) Six
(C) Five (D) Three
(E) Seven

Direction: Study the following arrangement carefully and answer the questions:

H % 1 P ! F S ? * X 7 C T 4 \$ 9 3 > @ / 6 N Q 5

Q.65 How many letters are immediately preceded by consonants and immediately followed by a symbol? **[SBI Clerk 2024]**

- (A) None (B) One
(C) Two (D) Three
(E) Four

Directions: Study the following information carefully to answer the given questions: E 4 W 2 G 6 @ S 5 8 X A ! I M 9 & Q ^ J L # 7 * C \$ G V % K

Q.66 Four of following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

[SBI Clerk 2025]

- (A) W@G (B) XM!
(C) @X5 (D) LC7
(E) &^M

Directions: Study the following information carefully to answer the given questions: 2 P J # 8 @ L B 1 V * Q 6 < G W 9 K C D 3 & % > 5 F R 7 A Y 4

ARRANGEMENT AND PATTERN

Q.67 Four of the following five are similar in relation to their positions in the above sequence and hence form a group. Which one does not belong to that group?

[IBPS Clerk 2023]

- (A) Q K 5 (B) L 6 D
(C) P L < (D) 1 G &
(E) K > 4

Directions: Study the following information carefully to answer the given questions: V @ 2 3 K 6 # P % S 1 7 & * G I © 5 9 8 \$ Y D A € 4 ¥ Z B O

Q.68 Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

[IBPS Clerk 2023]

- (A) 2@V (B) P#6
(C) 5(C)I (D) 9\$Y
(E) Z¥4

Directions: Study the following information carefully to answer the given questions. 3 @ K P 5 % R S D 7 © G L N W 9 € # 6 2 C Q Y 1 H J T 4 & U M X @

Q.69 Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?

[SBI Clerk 2024]

- (A) 5%R (B) #6C
(C) T4& (D) P5%
(E) @KP

Direction: Study the following information carefully to answer the given questions: M O P 6 9 2 R Q A 4 E N U 1 G F 2 3 L T 1 S 5 H Y 4 D Z 6 I J 1

Q.70 How many such consonants are there in the above arrangement which is immediately preceded by vowel and followed by a number?

[IBPS Clerk 2021]

- (A) 2 (B) 1
(C) 3 (D) 5
(E) 4

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	B	E	A	D	A	C	B	E	E	D	E	E	E	D	D
Ques.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	A	C	B	A	C	B	D	E	A	E	D	E	D	D	D
Ques.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	E	C	A	D	C	E	E	A	C	B	C	D	E	C	E
Ques.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans.	A	B	C	E	B	A	E	B	B	B	C	D	A	B	E
Ques.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Ans.	C	A	D	B	B	E	C	D	B	A					



CODING AND DECODING BY LETTER SHIFTING

Q.1 Direction: Read the following information carefully and answer the given questions. In a coded language, "DOCTOR" is coded as "OOCDR", and "BETTER" is coded as "EEBRTT". Then how RABBIT will be written in the same language?



[SBI PO 2023]

- (A) IBBART (B) RTIABB
(C) ABBIRT (D) IRTABB
(E) AIBBRT

Q.2 If in a certain code language, IMPETUS is written as JLQDUTT and PENSIVE is written as QDORJUF, then how will CHANGED be written in that language?

[IBPS Clerk 2020]

- (A) DGBMHDP (B) DGBMHDN
(C) DGBMHED (D) DGBMHDE
(E) DEVGHRN

Q.3 If in a certain code language, QUANT is written as PVZOS, which word would be written as FIGHT?

[IBPS Clerk 2021]

- (A) EJSIT (B) EGSIS
(C) EJFIS (D) SIRLS
(E) TSEJS

Q.4 In a certain code language MOBILE is written as OQDKNG and TABLET is written as VCDNGV then how can we write COMPUTER in that code language?

[IBPS Clerk 2020]

- (A) EQOSWVGT (B) EQORWVGT
(C) EQORWVGU (D) FQORWVGT
(E) GQORWVGT

Q.5 In a certain code language, NOTES is written as UJAZZ, and CURRY is written as JPYFF. How will BOOKS be coded in that language?

[EPFO SSA 2023]

- (A) IJJRT (B) IJJRZ
(C) RJJIZ (D) IJJZR
(E) None of these

Q.6 In a certain code, BASIC is written as DDULE. How in LEADER written in that code?

[EPFO SSA 2023]

- (A) NGCFGU (B) NHCGRU
(C) OGDGHT (D) OHGDUH
(E) None of these

Q.7 ACCIDENT is related to TNEDICCA in the same way as PASSENGER is related to '_____'. [RSCB 2019]

- (A) REGNESAP (B) REGNESSAP
(C) RGENESSAP (D) REGMESSAP
(E) None of these

Q.8 If PICTURE is coded as RHESWQG, then how will MOUNTAIN be written in the same code? [RSCB 2019]

- (A) ONTPVZHP (B) OQWPVCKP
(C) OPSORBKM (D) ONWMVZKM
(E) None of these

Q.9 If SUN is coded as NUS and TOP is coded as POT, then which is the last letter in the code for the word FUR? [RSCB 2019]

- (A) R (B) F
(C) U (D) E
(E) None of these

Q.10 "If the word ANGEL is coded as BOHFM, then what will be the third alphabet in the code for the word SAVAGE?

[RSCB 2019]

- (A) U (B) X
(C) B (D) W
(E) None of these

Q.11 In a certain code language, 'AND' is written as 'C-LP-F' and 'NOR' is coded as 'P-MQ-T'. How will 'BUT' be written in that language? [NABARD Grade A 2024]

- (A) D-SW-U (B) C-SU-V
(C) D-SW-V (D) C-TV-W
(E) None of these

Q.12 In a certain code language, 'COUNTRY' is written as 'BOWKXLF'. How will 'DESPAIR' be written in that language?

[NABARD Grade A 2024]

- (A) ULDSVHG (B) GBVMDFU
(C) GBPSXIO (D) UFDMMVBG
(E) None of these

Q.13 In a certain code language, 'COW' is written as 'ZRF' and 'DOG' is written as 'JRG'. How will 'RAT' be written in that language?

[NABARD Grade A 2024]

- (A) XDV (B) VEU
(C) UDW (D) WDU
(E) None of these

Q.14 In a certain code language, 'CREATION' is written as RCAEITNO. How will SEQUENCE be written as in that language? [MSEB 2024]

- (A) QESEUENC (B) ESUQNEEC
(C) ESUQENEC (D) QESEUCNE
(E) None of these

CODING AND DECODING IN FICTITIOUS LANGUAGE

Direction: Study the following information and answer the questions given below. In a certain code language,



“possible on three puzzle” is written as “dy no sm su” “greater growth mandatory puzzle” is written as “ze ea dy om” “mandatory possible is important” is written as “su ta nx ea” “three growth is important” is written as “ta sm om nx”

Q.15 om' is the code for which of the following?

[RRB Officer Scale - I 2021]

- | | |
|-----------------------|---------------|
| (A) three | (B) growth |
| (C) is | (D) important |
| (E) None of the above | |

Direction: Study the following information carefully and answer the given questions; In a certain code language, 'gu ri st pu' means 'siya is good player', 'st pu ho jt', means 'good player man time', 'st ri jt mt', means 'good is time save', 'gu vx ym nr', means 'siya sing very nice'.

Q.16 Code 'ri' stands for which word in the given language? **[RRB Officer Scale - I 2023]**

- | | |
|----------|------------|
| (A) good | (B) is |
| (C) siya | (D) player |
| (E) sign | |

Direction: Study the following information carefully and answer the given questions: In a certain code language: 'chair becomes table' is written as 'mo lo bo' 'brown finds beauty' is written as 'go do no' 'table is brown' is written as 'no po lo' 'beauty impersonate chair' is written as 'bo jo go'

Q.17 Code 'jo' is for which word in that given code language?

[RRB Officer Scale - I 2024]

- | | |
|-----------------|-----------|
| (A) chair | (B) brown |
| (C) impersonate | (D) table |
| (E) Is | |

Direction: Study the following information carefully and answer the given questions. In a certain code language, 'di ma ti bi' means 'sky is blue colour', 'ti ja ma pa' means 'moon colour is white', 'ma ca fo ti' means 'sun is red colour', 'ma di ko' means 'ocean is blue'.

Q.18 Code 'bi ma ko di' is for which of the following sentence in given language?

[SBI Clerk 2025]

- (A) sky is ocean colour
(B) moon is red ocean
(C) sky is ocean blue
(D) sun is blue ocean
(E) moon is blue ocean

Direction: Study the following information carefully and answer the given questions. In a certain code language, 'ea jo au ma' means 'this is homemade jam' 'jo ta ji wa qs di' means 'he makes jam from the fruits' 'ga ma ta ro ch' means 'cat is under the table' 'ch ka ta na wa' means 'fruits are on the table'.

Q.19 Code 'ma' is for which word in the given language? **[IDBI Executive 2023]**

- | | |
|-----------|--------------|
| (A) this | (B) homemade |
| (C) is | (D) cat |
| (E) under | |

Direction: Study the following information carefully and answer the given questions. In a certain code language, 'Ram exam analysis book' means 'ts ie mn' as', 'current admit exam analysis' means 'mn bn st ie', 'current quiz analysis book' means 'cd as mn bn', 'ram book image article' means 'ts as yj yx'.

Q.20 What may be the code of quiz book?

[SBI Clerk 2025]

- | | |
|-----------|-----------|
| (A) st ie | (B) cd mn |
| (C) ie bn | (D) mn ie |
| (E) cd as | |

Direction: Study the following information carefully and answer the given questions. In a certain code language, 'value theme particle around' is written as 'tfk dm un ssd' 'song new theme sing' is written as 'dj xy tfk src' 'sing loud particle mix' is written as 'ssd bt src hnm' 'around theme mix song' is written as 'xy un tfk bt'

Q.21 In the coded language, _____ is coded as 'hnm'.

[IBPS PO 2020]

- | | |
|------------|--------------|
| (A) theme | (B) particle |
| (C) around | (D) loud |
| (E) value | |

Direction: Study the following information carefully and answer the given questions. In a certain code language,

all beautiful are girls nice → pb ag ba sa tf

some sweet girls are classy → sf nt tf mp pb

beautiful all some dating good → nf mp gd sa ba

nice boys are sweet but not cute → ct ag tf nt na kp st

Q.22 Code 'na st sf' used for which of the following words.

[RRB Officer Scale - I 2023]

- | | |
|---------------------|----------------------|
| (A) boys not cute | (B) classy cute not |
| (C) boys not classy | (D) but classy girls |
| (E) None of these | |

CODING DECODING

Direction: Study the following information carefully and answer the given questions. In a certain code language,

sun is heated but nice well → ctd awr tux fou nyc kpx
cool girls home are sun → ctx tux nxw pqr sit
laptop home but girls well → pqr tar ctd nxw fou
try pour

heated sun cool → nyc tux nor pst sit

well cool love great health → sit pox asw fou ktr

Q.23 What is the code for "heated laptop health are sun"
[SBI PO 2021]

- (A) tar nyc tux ctx ktr
- (B) tux nyc tar fou pst
- (C) tux ctx nyc tar asw
- (D) Either Option 1 or 3 is correct
- (E) Either Option 2 or 3 is correct

Direction: Study the following information carefully and answer the given questions. In a certain code language: 'we are making efforts' is written as 'ee ca ce ac', 'making efforts for best' is written as 'ce bb aa ee', 'result are strict for' is written as 'ea ca bb ae' and 'we are the best' is written as 'ca aa cc ac'."

Q.24 Which of the following code is used for 'strict' in this code language?
[SBI PO 2021]

- (A) ea
- (B) ca
- (C) bb
- (D) ae
- (E) Either 1) or 4)

Direction: Study the following information carefully and answer the given questions. In a certain code of language, 'place satellite on earth' is written as 'jo ki la si', 'earth moon on circle' is written as 'bp la mi jo', 'circle orbit through satellite' is written as 'si dv ut bp', 'moon navigation gone through' is written as 'js mi dv hm'."

Q.25 The code 'js' stands for which of the following word?
[SBI Clerk 2024]

- (A) Either 'navigation' or 'circle'
- (B) Either 'gone' or 'place'
- (C) Either 'gone' or 'navigation'
- (D) Either 'earth' or 'circle'
- (E) None of these

Direction: Study the following information and answer the given below questions. In a certain code language, 'india have many temples' is written as '5D% 4V@ 4N# 7M&'. 'temple has tiny plants' is written as '6M& 3S@ 4N& 6A\$'. 'more peoples attends prayers' is written as '4R# 7O\$ 7T* 7A\$'."

Q.26 In the given code language, code "6L\$" is for which of the given word?
[IBPS Clerk 2020]

- (A) Poetic
- (B) Poems
- (C) People
- (D) Public
- (E) Police

Direction: Study the following information carefully and answer the given questions. In a certain code of language, 'something happened world inside' is written as 'cgl pqr rmp stu', 'everything must happened inside' is written as 'pmo aqr pqr stu', 'something must everything happened' is written as 'cgl stu pmo aqr', 'everyone must polite everything' is written as 'cdr pdr pmo aqr'."

Q.27 What is the code of 'Everyone'?

[RRB Officer Scale - I 2022]

- (A) cdr
- (B) aqr
- (C) pmo
- (D) pdr
- (E) Either cdr or pdr

Direction: Study the following information carefully and answer the questions that follow. The following words are coded in this manner: 'festival for women only' is coded as '(p) 12D% 21H@ 4E@', 'cindrella (q) to rescue' is coded as '7B% 24I% 8G@ 9F%', 'bugs ate all carrots' is coded as '25D% (r) 24G% 26c@', 'fight game play card' is coded as '20D% (s) (t) 11D%'."

Q.28 Which of the following word will replace the blank '(q)'?
[SBI PO 2022]

- (A) doing
- (B) shoutes
- (C) shouted
- (D) fight
- (E) women

CODING BY ANALOGY

Direction (29-31) : In each of the following questions, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers are to be answered. The operations of numbers progress from left to right. Rules:

- (i) If a number which is divisible by 3 is followed by an odd number then they are to be multiplied.
- (ii) If a number which is divisible by 3 is followed by an even number then they are to be added.
- (iii) If a number which is not divisible by 3 is followed by an odd number then smaller number is to be subtracted from larger number.
- (iv) If a number which is not divisible by 3 is followed by an even number then they are to be added."

Q.29 If resultants of the given sets are multiplied, then which digit is at the unit place of the number so obtained?
[IBPS Clerk 2020]

10	6	2
5	4	1

- (A) 2
- (B) 5
- (C) 3
- (D) 8
- (E) 7

CODING DECODING

Q.30 If the resultants of the given sets are added, then which of the following is obtained?

3	1	12
24	6	10

[IBPS Clerk 2020]

- (A) 55 (B) 22
(C) 88 (D) 77
(E) 66

Q.31 If the resultants of the given sets are subtracted (larger number – smaller number), then which of the following is obtained?

8	6	1
11	3	2

[IBPS Clerk 2020]

- (A) 0 (B) 1
(C) 3 (D) 5
(E) 4

Direction (32-35) : In each of these questions, a group of numbers is given followed by four combinations of symbols/letters numbered (A), (B), (C), (D). The numbers are to be coded as per the scheme and the conditions given below. You have to find out which of the four combinations is correct and indicate the answer accordingly. If none of the combinations is correct, your answer is (E) i.e. 'None of these.'

Letter	C	M	E	H	W	L	T	U	N	V	X	J	I	A	F
Code	4	8	\$	1	#	5	7	©	2	6	%	*	3	9	@

Exceptions:

- If the word begins with a consonant and ends with a vowel, code of the digits at extreme ends should be interchanged.
- If the word begins with a vowel and ends with a consonant, the digits at extreme ends should be coded as the code of the consonant.
- If both the 1st and last letters are consonant, both are to be coded as 'S'.

Barring these exceptions, the other letters should be coded as per the above- mentioned scheme."

Q.32 "ANVUFX **[SBI Apprentice 2021]**

- (A) %26(C)@% (B) %26(C)@9
(C) 926(C)@% (D) %26(C)9@
(E) None of these

Q.33 "EMNHFU **[SBI Apprentice 2021]**

- (A) \$821@(C) (B) (C)821@\$
(C) \$821(C)@ (D) \$812@(C)
(E) None of these

Q.34 "NXICVE **[SBI Apprentice 2021]**

- (A) 2%346\$ (B) %3426\$
(C) S%3426 (D) \$2%634
(E) None of these

Q.35 "UJTLMW **[SBI Apprentice 2021]**

- (A) (C)*758(C) (B) (C)*758#
(C) #*758# (D) #*758(C)
(E) None of these

Direction: (36-38) In each of the following questions two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers are to be answered. The operations of numbers progress from left to right.

Rules:

- If an even number is followed by an odd prime number, then subtract even number from that odd prime number.
- If an even number is followed by a perfect square, then divide even number by perfect square number.
- If an even number is followed by a composite number, then subtract the smaller one from the greater one.
- If an odd number is followed by odd prime number, then subtract smaller one from the greater one.
- If an odd number is followed by any composite number, subtract smaller one from the greater one.

Note: If any two conditions co-incite we will consider the first one obtained from (i to v) for the operations."

Q.36 What would be the difference between resultant of row I and resultant of row II?

16	83	13
27	16	22

[IBPS Clerk 2021]

- (A) 13 (B) 39
(C) 43 (D) 9
(E) None of the above

Q.37 What would be multiplication of resultants of both the rows?

17	15	5
32	16	7

[IBPS Clerk 2021]

- (A) 10 (B) 12
(C) 15 (D) 18
(E) None of these

CODING DECODING

Q.38 If we divide resultant of row II by resultant of row I, which of the following would be the answer? **[IBPS Clerk 2021]**

87	97	1
12	1	52

- (A) 1 (B) 2
(C) 3 (D) 4
(E) None of these

Direction: (39-41) Read the instructions carefully to answer the questions given below. An employee log in id is decided on the basis of following conditions:

1. City code is (01) for the metro city and for others the city code is (02).
2. Birth code will be last two digits of birth year and the birth years are - 1972, 1945, 1943, 1988, 1991, 1962, 1970, 1989, 1982, 1968, 1983 and 1965. (For example an employee whose birth year is 1967 then his birth code is 67)
3. There are four departments - Marketing, Production, Administration and HR. All the departments have their different codes as- 92 is the code of Marketing, 98 is the code of production, 67 is the code of HR and 88 is the code of Administration.
4. There are four different designation codes - D, K, A and S. D is the code for Chief Executive officer, Executive officer and officer. K is the code for manager, Assistant manager, and general manager. A is the code for Clerk, Law officer and Assistant. S is the code for Auditor, Data processing officer and Internal auditor.

An employee whose date of birth is 1972 is a Manager and his department code is 88. Birth code for Officer is 82 and his department code is 92. Clerk's birth code is 2 less than Manager and his department code is 88. Law officer, Assistant and Data processing officer work in same department and birth code for Law officer is 65. Difference between birth code of Chief executive officer and Officer is 37 and department code for Chief executive officer is either 98 or 88. Birth code for Data processing officer is 62. Chief executive officer is not working in the same department of Data processing officer. Assistant manager and Internal auditor have same department code and their birth code is either 91 or 88. Birth code of Executive officer is 68 and for General manager is 89. Assistant manager is older than Internal Auditor. Executive officer and General manager have same department code but

not same as Clerk or Assistant. Executive officer department code is not 92. Birth code for Auditor is either 83 or 43. Assistant is the oldest and belongs to Production department. Assistant manager worked in marketing department. The department code of Auditor is 88. Employees belongs to D and S department belongs to Delhi and employees from K department belongs to Bangalore.

Note- Only Delhi and Bangalore are metro cities.

Q.39 How many employees are younger than Chief executive officer.

[IBPS Clerk 2021]

- (A) 10 (B) 9
(C) 8 (D) 6
(E) 4

Q.40 If Clerk belongs to Indore then what would be the code combination of city and department is correct? **[IBPS Clerk 2021]**

- (A) 01 - 88 (B) 01 - 92
(C) 01 - 67 (D) 02 - 67
(E) 02 - 88

Q.41 What would be the correct combination for City, Birth code, Department code for Assistant manager? **[IBPS Clerk 2021]**

- (A) 01 - 89 - 92 (B) 01 - 88 - 92
(C) 01 - 45 - 98 (D) 01 - 72 - 67
(E) 01 - 88 - 67

CODING DECODING BASED ON NUMBERS

Directions : (42-44) Read the following information carefully and answer the questions. In a certain code language, words and phrases are coded in accordance with the following set of rules-

1. All the consonants except M, N, and R are coded as the numbers of the even number series starting from 2. For example, B is coded as 2, C is coded as 4, D is coded as 6 and so on.
2. M, N, and R are coded as \$, @ and % respectively.
3. The vowels are coded as the position of letter we get by reversing the English alphabetical series The codes for vowels are-
4. If the third or the fourth letter of a word is a vowel, then that vowel is coded as '#'.
 5. If the number of letters in a particular word is even, then the code for that particular word starts with an 'X' and if the number of letters is odd, then the code for that word starts with a 'Z'."

CODING DECODING

Q.42 The first part of the code for the word 'BLASPHEMY' is Z218#24. What is the remaining part of the code for the given word? **[SBI Clerk 2024]**

- (A) 122022\$34 (B) 122022\$43
(C) 202212\$34 (D) 201222\$34
(E) 222012\$34


Q.43 The positive difference between the sum of individual digits present in the code for the first word and for the second word in the phrase 'GOODNESS GRACIOUS' is? **[SBI Clerk 2024]**

- (A) 9 (B) 11
(C) 13 (D) 1
(E) 3

Q.44 The word 'DIVERGENT' is coded as? **[SBI Clerk 2024]**

- (A) Z61828#%1026@22
(B) X81828#%1026@22
(C) Z62828#%1026@22
(D) Z61828#%1022@26
(E) Z81828#%1026@22

CODING LETTERS OF WORD

Q.45 If 'MISTAKE' is coded as 9765412 and 'RANK ED' is coded as 348120, how is 'DISTANT' coded?  **[EPFO SSA 2023]**

- (A) 0756485 (B) 0765485
(C) 0765458 (D) 0765845
(E) 0765835

Q.46 If in a certain code language BEAUTIFUL is coded as MVGJUVBFC, then how PHENOMENON will be coded in the same code language? **[SBI PO 2021]**

- (A) OPOFSPOFIQ (B) OPOFNPOFIQ
(C) OPOXNPOFIQ (D) OPOFNPLFIQ
(E) OPOFNQOFIQ

Q.47 If in a certain code language ORANGE is coded as RRFNNE, then how CUPBOARD will be coded in the same language? **[SBI PO 2021]**

- (A) FUUBFAAD (B) XUGHVAAD
(C) XUUBVAIW (D) FUUBVAAD
(E) FUUBVAZE

Q.48 In a certain code language, 'HOCKEY' is written as 'IPDJDX' and 'SKETCH' is written as 'TLFSBG'. What will be the code for 'ENDING' in that code language? **[RRB Officer Scale - I 2021]**

- (A) GOEHNH (B) FOEHMH
(C) GMEHOH (D) FMEHMH
(E) FOEHMF


Q.49 In a certain code language, if "GOAT" is coded as 7-15-1-20 and "WOLF" is coded as 23-15-12-6, then how will "LION" be coded as in the same language? **[EPFO SSA 2023]**

- (A) 13-10-14-15 (B) 11-9-16-15
(C) 11-9-15-16 (D) 12-9-15-14
(E) 13-9-15-14

Q.50 In a certain code, 'FAKE' is written as '#@&5' and 'TROLL' is written as '9+>%%'. Then, how is 'LETTER' written in that code? **[IBPS PO 2020]**

- (A) %5995+ (B) %9559+
(C) %5995# (D) %9595+
(E) %5995@

CODING MATRICES

Directions: (51-55) Study the following information carefully and answer the questions that follow: There is a matrix of 4*4. The rows are represented as %, \$, # and @ from the first to the fourth in the same order and the columns are represented as 1 to 4 from the first to the fourth in the same order. Following operations are to be performed in the given order to obtain the whole matrix. 

- One diagonal of matrix is IBPS and the other diagonal is 2019 in the same order. Both have their first element in the first Column and 4th column respectively.
- The immediate neighbor of any alphabet in the same row is the alphabetical position of that number.
- The remaining places are to be filled by taking the difference between the two numbers surrounding that place in the same row. In the obtained matrix, the value of the sum of all digits in the second column would be less than that of the third column.

CODING DECODING

The compiler of a PC will respond to the input by calculating the value of the string as per the following conditions.

1. If there are equal number of even and odd numbers in the string, then value of the string will be the absolute difference between all the even numbers and all the odd numbers.
2. If there are equal number of alphabets and numbers in the string, then the value of string will be the absolute difference between the alphabetical position of all the alphabets and all the numbers.
3. If there is only one even number in the string, then the value of string will be the addition of all the numbers in that string.
4. If there is a vowel in the string, then value of the string will be the alphabetical position of that vowel.
5. If none of the above mentioned conditions follow, then the value of the string will be obtained by subtracting the lowest number from the highest number in that string.

Note:

1. The value of an input is obtained by adding the values of all the strings and then the digits in that value is added up to the point where it becomes a single digit number and then it is taken as an input.
2. If only a single string is given, then the digits in that value is added upto the point where it becomes a single digit number and then it is taken as input.
3. If the value of an input is a prime number, then the program will be executed. If the value of an input is an even number, then program will not be executed.

If the value of an input is both even and prime number, then program will be executed but it will show an error. If the value of an input is other than the above mentioned values, then PC will hang.

Let us assume a matrix:

	1	2	3	4
%	1	2	C	4
\$	J	6	7	8
#	9	10	T	12
@	O	14	15	16

AA = \$3 @2 %1 #2, BB = @1 \$3 %2

\$3 denotes value in second row and column 3 which will be equal to 7.

Therefore AA = 7 14 1 10

So, this is satisfying condition 1. Hence the sum = (14 + 10) – (7 + 1) = 16

BB = O 7 2

So, this is satisfying condition 4. Thus, frequency = alphabetical position of

O = 15

The values of AA and BB are added, and the final frequency is 16 + 15 = 31 which is a two digit number, So again adding them 3 + 1 = 4, which is a non- prime even number so the program will not be executed. Consider the following four strings for all questions:

AA = \$2 #1 @3 #3

BB = @1 %4 @3 %3

CC = \$4 @2 #4 %1

DD = %4 @2 @4 #2"

Q.51 It is given that signal BB is incorrect and the program was executed but showed an error, then what could be the correct string for it? **[SBI PO 2021]**

- (A) @1 %4 @3 %3 (B) #3 @4 @2 %3
(C) @1 %4 @3 \$4 (D) #4 \$3 \$2 #4
(E) None of the above

Q.52 What is the correct option if both signals AA and DD is taken as input? **[SBI PO 2021]**

- (A) The program will be executed.
(B) The program will not be executed.
(C) The program will be executed but it will show an error.
(D) The PC will hang.
(E) Cannot be determined

Q.53 What is the correct option if only signal CC is taken into account? **[SBI PO 2021]**

- (A) The program will be executed.
(B) The program will not be executed.
(C) The program will be executed but it will show an error.
(D) The PC will hang..
(E) Cannot be determined

Q.54 What is the value of input if only signal AA and BB is taken into account? **[SBI PO 2021]**

- (A) 2 (B) 8
(C) 7 (D) 1
(E) 9

Q.55 What will be the value of string if all four signals given is taken as input? **[SBI PO 2021]**

- (A) 2 (B) 5
(C) 7 (D) 1
(E) 8

CODING DECODING

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	E	D	C	B	B	B	B	D	B	D	C	D	D	B	B
Ques.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	B	C	C	C	E	D	E	D	E	C	E	E	C	A	A
Ques.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	C	A	A	E	C	C	C	D	A	E	B	D	E	D	B
Ques.	46	47	48	49	50	51	52	53	54	55					
Ans.	B	D	E	D	A	E	A	D	B	E					

