CHAPTER

5

Coding-Decoding

1. If HOSPITAL is written as 32574618 in a certain code, how would POSTAL be written in that code?
(SSC CGL 1st Sit. 2010)
(a) 752618 (b) 725618
(c) 725168 (d) 725681

2. If SPARK is coded as TQBSL, what will be the code for FLAME ?
(SSC CGL 1st Sit. 2010)
(a) GMBNF (b) GNBNF
(c) GMCND (d) GMBMF

3. If HONESTY is written as 5132468 and POVERTY as 7192068, how is HORSE written in a certain code?
(SSC CGL 2nd Sit. 2010)
(a) 50124 (b) 51042
(c) 51024 (d) 52014

4. In a certain code SISTER is written as RHRSDQ. How is UNCLE written in that code ?
(SSC CGL 2nd Sit. 2010)
(a) TMBKD (b) TBMKD
(c) TVBOD (d) TMKBD

5. In the following question, number of letters are skipped in between by a particular rule. Which of the following series observes the rule?
(SSC CGL 1st Sit. 2011)
(a) ABFGJK (b) ACFJOU
(c) MPQSTV (d) ADFHJL

6. If in a certain code HYDROGEN is written as JCJZYSSD, then how can ANTIMONY be written in that code?
(SSC CGL 1st Sit. 2011)
(a) CPVKOQPA (b) CRZQWABO
(c) ERXMQSRC (d) G'I'ZOSU'I'E

7. If DELHI is coded as 73541 and CALCUTTA as 82589662, then how can CALICUT be coded?
(SSC CGL 1st Sit. 2011)
(a) 5279431 (b) 5978013
(c) 8251896 (d) 8543691

8. If MEKLF is coded as 91782 and LLLJK as 88867, then how can IGHED be coded?
(SSC CGL 2nd Sit. 2011)
(a) 97854 (b) 64521
(c) 53410 (d) 75632

9. If in a certain code, RAMAYANA is written as PYKYWYLY, then how MAHABHARATA can be written in that code?
(SSC CGL 2nd Sit. 2011)
(a) NBIBCIBSBUB (b) LZGZAGZQZSZ
(c) MCJCDJCTCVC (d) KYFYZFYPYRY

10. If PEAR is written as GFDN, how is REAP written in this code?
(SSC CGL 1st Sit. 2012)
(a) FDNG (b) NFDG
(c) DNGF (d) NDFG

11. If FLATTER is coded as 7238859 and MOTHER is coded as 468159, then how is MAMMOTH coded?
(SSC CGL 1st Sit. 2012)
(a) 4344681 (b) 4344651
(c) 4146481 (d) 4346481

12. In a certain code, "CERTAIN" is coded as "XVIGZRM", "SEQUENCE" is coded as "HVJFVMXV". How would "REQUIRED" be coded?
(SSC CGL 2nd Sit. 2012)
(a) FJIVWVIR (b) VJIFWTRV
(c) WVJRIFVI (d) IVJFRIVW

13. If LUXOR is coded as 30, then GUILDS will be coded as?
(SSC CGL 2nd Sit. 2012)
(a) 40 (b) 36
(c) 38 (d) 24

14. If SEASONAL is written as ESSANOLA, how can SEPARATE be written in that code?
(SSC CGL 1st Sit. 2012)
(a) SEAPARET (b) ESPARATE
(c) ESPAARTE (d) ESAPARET

15. In certain code, RAGHAVAN is written as GARVAHNA. In that code which word will be written as MATHAVAN?
(SSC CGL 1st Sit. 2012)
(a) TAMVAHNA (b) TAMVAHAN
(c) TAMHAVNA (d) MATVAHNA

16. If 'FRIEND' is coded as 'IULHQG', how will you code 'ENEMY'?
(SSC CGL 1st Sit. 2012)
(a) HQHPB (b) HQHPA
(c) HQEMY (d) HQHPG

17. In a coded language, if the word EQUATION is coded as GSWCVKQP, then how is the word DONKEY coded?
(SSC CGL 1st Sit. 2012)
(a) FQPMGA (b) YEKNOD
(c) GWCVKJ (d) PQKUCW

DIRECTIONS: *In the following question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'P' can be represented by 11, 32, etc. and 'K' can be represented by 65, 78, etc. Similarly, you have to identify the set for the word SALM.*

(SSC CGL 2nd Sit. 2012)

18. **MATRIX-I**

	0	1	2	3	4
O	P	A	I	V	R
1	1	P	R	A	V
2	A	R	V	P	I
3	V	I	P	R	A
4	R	V	A	I	P

MATRIX-II

	5	6	7	8	9
5	S	L	K	M	E
6	K	M	S	E	L
7	M	E	L	K	S
8	L	K	E	S	M
9	E	S	M	L	K

(a) 55, 20, 56, 59 (b) 79, 13, 69, 75
(c) 96, 34, 76, 89 (d) 67, 21, 85, 97

19. In a certain code language, GRAPE is written as 27354 and FOUR is written as 1687. How is GROUP written in that code? **(SSC CGL 2nd Sit. 2012)**
(a) 27384 (b) 27684
(c) 27685 (d) 27658

20. WAYIN is written as TXVFX. How LBUK can be written in that code? **(SSC CGL 2nd Sit. 2012)**
(a) IYRH (b) KATJ
(c) JZSI (d) NDWM

21. In a certain code language, if the word PARTNER is coded as OZQSMDQ, then what is the code for the word SEGMENT? **(SSC CGL 2nd Sit. 2012)**
(a) TFHNFOU (b) RDFLDMS
(a) TFHNFOU (b) RDFLDMS
(c) RDELDMS (d) RDFEDNS

22. If DOCTOR is written as FQEVQT; how PATIENT can be written in that code? **(SSC CGL 2nd Sit. 2012)**
(a) RVKGPV (b) RCKPGVV
(c) RCVKGPV (d) RVCKGVP

DIRECTION (Q. 23) : *In the following question a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'R' can be represented by 13, 22, etc. and 'B' can be represented by 67, 76 etc. Similarly, you have to identify the set for the word SHRI.*

(SSC CGL 2nd Sit. 2012)

23. **Matrix I** **Matrix II**

	0	1	2	3	4
0	R	H	E	L	I
1	I	E	L	R	H
2	H	L	R	I	E
3	E	R	I	H	L
4	L	I	H	E	R

	5	6	7	8	9
5	B	S	N	A	D
6	D	N	B	S	A
7	A	B	D	N	S
8	S	D	A	B	N
9	N	A	S	D	B

(a) 58, 02, 13, 01 (b) 85, 42, 31, 14
(c) 68, 20, 13, 32 (d) 85, 02, 44, 30

24. If DEGI is equal to 25, what is FEHD equal to? **(SSC Sub. Ins. 2012)**
(a) 32 (b) 25
(c) 52 (d) 23

25. If SISTER is coded as 20, 10, 20, 21, 6, 19, then the code for BROTHER is **(SSC Sub. Ins. 2012)**
(a) 2, 15, 16, 21, 9, 5, 18 (b) 3, 19, 16, 21, 9, 6, 19
(c) 4, 20, 15, 18, 8, 7, 9 (d) 3, 18, 16, 20, 9, 7, 19

26. If America is called Greenland, Greenland is called Africa, Africa is called Russia, Russia is called India and India is called Pakistan; Delhi is called the capital of which country? **(SSC Sub. Ins. 2012)**
(a) Russia (b) India
(c) Pakistan (d) Greenland

27. A word is represented by only one set of numbers as given in any of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the 2 matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II from 5 to 9. A letter from these matrices can be represented first by its row and next column number. E.g. 'F' can be represented by 14, 21 etc. 'T' can be represented by 59, 78, etc. Similarly identify the set for the word POSE. **(SSC Sub. Ins. 2012)**

MATRIX I **MATRIX II**

	0	1	2	3	4
0	D	E	F	I	N
1	I	N	D	E	F
2	E	F	I	N	D
3	N	D	E	F	I
4	F	I	N	D	E

	5	6	7	8	9
5	O	P	R	S	T
6	S	T	O	P	R
7	P	R	S	T	O
8	T	O	P	R	S
9	R	S	T	O	P

(a) 87, 55, 89, 43 (b) 68, 98, 58, 21
(c) 75, 86, 67, 14 (d) 56, 67, 77, 01

28. If PALE is written as RCNG, how can LEAP be written in that code? **(SSC CHSL 2012)**
(a) NGCR (b) RCGN
(c) CRNG (d) NCRG

29. If 'POST' is coded as 'KLHG', how is 'NURS' coded as? **(SSC CHSL 2012)**
(a) MGJH (b) MGJH
(c) MFIH (d) MFIG

30. If GARMENT is written as 202691422137, how is INDULGE written in that code? **(SSC CHSL 2012)**
(a) 9144211275 (b) 914211275
(c) 1813326152022 (d) 1813236152022

31. If A = 1, ACE = 9, then ART = ? **(SSC CHSL 2013)**
(a) 29 (b) 38
(c) 10 (d) 39

32. If PARK is coded as 5394, SHIRT is coded as 17698 and PANDIT is coded as 532068, how would you code NISHAR in that code language? **(SSC CHSL 2013)**
(a) 201739 (b) 261739
(c) 266734 (d) 231954

33. If 'SYNDICATE' is written as 'SYTENDCAI then how can 'PSYCHOTIC' be written ? **(SSC CHSL 2013)**
(a) PSICYOCTH (b) PSICYCOTH
(c) PSYICTCOH (d) PSYCOHTCI
(a) PSICYOCTH (b) PSICYCOTH
(c) PSYICTCOH (d) PSYCOHTCI

34. Some letters are given below in the first line and numbers are given below them in the second line. Numbers are the codes for the alphabets and vice-versa. Choose the correct letter-code for the given set of numbers. **(SSC CHSL 2013)**

E M K B Z W Q U D J
5 9 1 6 4 8 2 0 7 3
4 2 9 7 5 3

(a) Z Q M D E J (b) Z Q E D M J
(c) Z Q M J D E (d) Z Q M E D J

35. If PAINT is coded as 74128 and EXCEL is coded as 93596, how is ACCEPT coded? **(SSC Multitasking 2013)**
(a) 459578 (b) 457958
(c) 459758 (d) 455978

36. If DELHI is coded as 73541 and CALCUTTA as 82589662, then how would CALICUT be coded in that code? **(SSC Sub. Ins. 2013)**
(a) 5978213 (b) 8251896
(c) 8543691 (d) 5279431

37. If 'JUNE' is written as 'PQRS' an 'AUGUST' is written as 'WQFQMN'. How can 'GUEST' be written in this same coding language? **(SSC Sub. Ins. 2013)**
(a) FPSMN (b) FQSMN
(c) FQSNM (d) FQTMN

38. A word is represented by only one set of numbers as given in anyone of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g .. 'B' can be represented by 01, 10, 22, etc. and 'F' can be represented by 55, 76,86, etc. Similarly, you have to identify the set for the given word - CAGE. **(SSC Sub. Ins. 2013)**

MATRIX - I

	0	1	2	3	4
0	A	B	C	D	E
1	B	C	D	E	A
2	C	D	B	A	E
3	D	C	B	E	A
4	E	B	A	C	D

MATRIX - II

	5	6	7	8	9
5	F	G	H	I	J
6	G	F	I	J	H
7	I	F	G	J	H
8	H	F	G	I	J
9	J	F	G	J	I

(a) 95, 82, 31, 14 (b) 20, 00, 65, 40
(c) 14, 20, 41, 86 (d) 00, 21, 41, 95
(a) 95, 82, 31, 14 (b) 20, 00, 65, 40
(c) 14, 20, 41, 86 (d) 00, 21, 41, 95

39. A word is represented by only one set of numbers as given in anyone of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the two matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g., 'C' can be represented by 00, 12, 23, etc. and 'M' can be represented by 56, 67, 77, etc. Similarly. you have to identify the set for the given word - GOD. **(SSC Sub. Ins. 2013)**

MATRIX I

	0	1	2	3	4
0	C	D	E	F	G
1	G	D	C	G	E
2	E	F	G	C	D
3	G	C	F	D	E
4	D	C	F	G	E

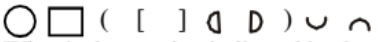
MATRIX II

	5	6	7	8	9
5	L	M	N	O	P
6	O	L	M	N	P
7	L	O	M	P	N
8	N	O	P	M	L
9	P	L	M	N	O

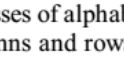
(a) 10, 11, 65 (b) 95, 79, 12
(c) 30, 65, 40 (d) 00, 10, 75

40. Certain numbers have symbols as given below.

1 2 3 4 5 6 7 8 9 0



What is the number indicated by these symbols ?



(SSC CGL Ist Sit. 2013)

(a) 47095 (b) 56907
(c) 45096 (d) 45906

41. If MOBILE is written as ZAMSUM, how TUMOR can be written in that code ? **(SSC CGL Ist Sit. 2013)**
(a) BRAIN (b) HGYAD
(c) GGXYA (d) IHZBE

42. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the matrix given below. The columns and rows of Matrix are numbered from 0 to 6. A letter from the matrix can be represented first by its row and next by its column, e.g.'A' can be represented by 42, 62, etc. and 'P' can be represented by 15, 43, etc. Similarly, you have to identify the set for the word 'CALM'. **(SSC CGL I[st.] Sit. 2013)**

Matrix

0	1	2	3	4	5	6
1	H	R	E	I	P	S
2	S	G	N	D	Z	I
3	B	U	F	T	K	L
4	V	A	P	C	Y	A
5	M	W	C	O	X	N
6	B	A	E	J	L	O

(a) 44, 62, 65, 51 (b) 53, 42, 65, 36
(c) 53, 54, 51, 31 (d) 44, 54, 65, 24

43. If DIVINE is coded as AFSFKB, then POWERFUL is coded as **(SSC CGL 2[nd] Sit. 2013)**
(a) XLHOJVIM (b) MLTBDCRI
(c) MLWBOCRI (d) HLTBNCRI

44. If NOTE is written as PQVG, then TIME is written as **(SSC CGL 2[nd] Sit. 2013)**
(a) VQOG (b) VKOG
(c) VOKG (c) VGKO

45. If SMART is coded as UKCPV, then WONDER is coded as **(SSC CGL 2[nd] Sit. 2013)**
(a) YMPPRT (b) YMPBGP
(c) YMPBFP (d) YMBPPG

46. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. Two columns and rows of Matrix I are numbered-from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'P' can be represented by 67, 75 etc. Similarly, you have to identify the set for the word 'CARD'. **(SSC CGL 2[nd] Sit. 2013)**

MATRIX-I

	0	1	2	3	4
0	A	B	C	D	E
1	D	C	B	A	E
2	B	A	D	C	E
3	D	B	C	A	E
4	C	D	A	E	B

MATRIX-II

	5	6	7	8	9
5	P	Q	R	S	T
6	Q	S	P	R	T
7	P	T	R	S	Q
8	Q	S	P	R	T
9	T	P	S	Q	R

(a) 32, 00, 56, 10 (b) 40, 21, 68, 44
(c) 11, 33, 57, 22 (d) 02, 42, 77, 20

47. If each of the letters in the English alphabet is assigned an even numerical value by giving A = 2, B = 4 and so on, what would be the total value of the letters for the word LADY when similarly coded? **(SSC CGL 1[st] Sit. 2013)**
(a) 72 (b) 84
(c) 82 (d) 74

48. If the word LEADER is coded as 20-13-9-12-13-26, how would you write LIGHT? **(SSC CGL 1[st] Sit. 2013)**
(a) 20-15-16-18-23 (b) 20-17-15-16-28
(c) 20-16-15-17-22 (d) 20-16-17-15-27

49. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'D' can be represented by 02, 14, etc., and 'R' can be represented by 57, 76 etc. Similarly, you have to identify the set for the word "BEST". **(SSC CGL 1[st] Sit. 2013)**

MATRIX- I

	0	1	2	3	4
0	B	C	D	E	F
1	E	F	B	C	D
2	C	D	E	F	B
3	F	B	C	D	E
4	D	E	F	B	C

MATRIX -II

	5	6	7	8	9
5	P	Q	R	S	T
6	S	T	P	Q	R
7	Q	R	S	T	P
8	T	P	Q	R	S
9	R	S	T	P	Q

(a) 24, 21, 77, 97 (b) 24, 22, 77, 97
(c) 24, 22, 77, 96 (d) 24, 22, 76, 97

50. If each of the letter in the English alphabet is assigned odd numerical value beginning coding A = 1, B = 3 & so on, what will be the total value of the letter of the word 'SNAKE'? **(SSC CGL 1[st] Sit. 2013)**
(a) 95 (b) 105 (c) 115 (d) 113

51. If DFIN is coded as WURM, then HJMO can be coded as **(SSC CGL 1[st.] Sit. 2013)**
(a) RPNO (b) SQNP (c) SQNL (d) TRPO

52. If RUMOUR can be written as QSJKPL, then how HERMIT can be written? **(SSC CGL 1[st] Sit. 2013)**
(a) GEPKHR (b) GCOIDN
(c) GCPIDM (d) GCPIEN

53. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'G' can be represented by 04, 40 etc. and 'K' can be represented by 56, 75 etc. Similarly, you have to identify the set for the word 'CHILD'. **(SSC CGL 1[st] Sit. 2013)**

Matrix-I

	0	1	2	3	4
0	C	D	E	F	G
1	F	G	C	D	E
2	D	E	F	G	C
3	E	F	G	C	D
4	G	C	D	E	F

Matrix-II

	5	6	7	8	9
5	H	K	L	I	N
6	I	N	H	K	L
7	K	L	I	N	H
8	L	I	N	H	K
9	N	H	K	L	I

(a) 24, 21, 99, 57, 01 (b) 12, 79, 99, 57, 01
(c) 33, 57, 99, 57, 01 (d) 41, 79, 99, 57, 11

54. In a certain code, LONDON is coded as 24 – 30 – 28 – 8 – 30 – 28. How will FRANCE be coded? **(SSC CGL 1st Sit. 2013)**
(a) 10 – 24 – 6 – 28 – 6 – 12
(b) 12 – 26 – 6 – 28 – 8 – 10
(c) 12 – 36 – 2 – 28 – 6 – 10
(d) 12 – 26 – 2 – 28 – 8 – 10

55. If each of the letters in the English alphabet is assigned odd numerical value beginning A = 1, B = 3 and so on, what will the total value of the letters for the word 'HOTEL' ? **(SSC CGL 1st Sit. 2013)**
(a) 95 (b) 115
(c) 125 (d) 105

56. In a certain code, MAARK is written as KRAAM. How PASSI can be written in that code? **(SSC CGL 1st Sit. 2013)**
(a) ISSAP (b) ISSPA
(c) SSIPA (d) ASS1P

57. In the following question, a word is represented by a set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by alphabets as in the matrices given below. The columns and rows of matrix are numbered from 1 to 6. A letter from these matrices can be represented first by its row and next by its column number. e.g., 'A' can be represented by 42. 'S' can be represented by 21, etc. Similarly. you have to identify the set for the word 'PLAY'. **(SSC CGL 1st Sit. 2013)**

	1	2	3	4	5	6
1	H	R	E	I	P	S
2	S	G	N	D	Z	I
3	B	U	F	T	K	L
4	V	A	P	C	Y	A
5	H	W	C	O	X	N
6	B	A	E	F	L	Q

(a) 43, 36, 42, 23 (b) 43, 32, 33, 33
(c) 15, 12, 42, 45 (d) 43, 65, 62, 45

58. In a certain code, DOWNBEAT is written a TABEWNDO. How will the woprd PROSPECT be written in that code? **(SSC Stenographer 2013)**
(a) TCEPSORP (b) TCPEOSPR
(c) TCPESOPR (d) TCPEOSRP

59. If SENSATIONAL can be written as 1 2 3 1 4 5 6 7 3 4 8, how will STATION be written in that code? **(SSC Stenographer 2013)**
(a) 1 4 5 5 6 7 3 (b) 1 5 4 5 7 6 3
(c) 1 5 5 4 6 7 3 (d) 1 5 4 5 6 7 3

60. If MILITARY can be written as 1, 2, 3, 2, 4, 5, 6, 7, how can LIMIT be written in that code? **(SSC Stenographer 2013)**
(a) 3 2 1 2 4 (b) 4 2 1 2 3
(c) 1 2 3 2 4 (d) 4 2 1 2 5

61. If LPPHGLDWH means IMMEDIATE, what does GRPDLQ stand for? **(SSC Stenographer 2014)**
(a) MATTER (b) DOMAIN
(c) ORANGE (d) DANGER

62. If SCHOOL is written as TBINPK, how TEACHER can be written in that code? **(SSC Stenographer 2014)**
(a) UDBBIDS (b) DUBBIDS
(c) NDBBISD (d) SEIDIFDS

DIRECTIONS (Qs. 63-64): *You are given the name of a town and a date followed by four alrenatives. Of these, only one matches while the others have some mistakes. You are to choose exectly the same as the given one as your answer.*

(SSC Stenographer 2014)

63. Aurangabad, September 19, 2009
(a) Aurangabad, September 19 2009
(b) Aurangabad, 19 September, 2009
(c) Aurangabad, September 19, 2009
(d) Aurangabad, September, 19, 2009

64. Thiruvananthapuram, April 12, 2014
(a) Thiruvananthapuram, April 12, 2014
(b) Thiruvananthapuram, April, 12, 2014
(c) Trivandrum, April 12, 2014
(d) Thiruvananthapuram, April 12th, 2014

DIRECTIONS (Qs. 65-66): *Answer the questions based on the following. Below are given some roll Numbers of candidates registered at different centres for an examination. The first two digits from the left stand for the centre code and the next four for the serial number of the candidates registered at the centre.*

(SSC Stenographer 2014)

061391	041631	031863	069234
024268	246198	059721	011432
051491	010028	020063	046452
011432	050251	029378	040028

65. Which centre have serial number 0028 common?
(a) 01, 06 (b) 02, 04
(c) 01, 04 (d) 05, 01

66. Which centres has the largest, number of candidates?
(a) 06 (b) 02
(c) 05 (d) 04

67. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of number given in the alternatives are represented by two classes of alphabets as in the 2 matrices given below. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II from 5 to 9. A letter from these matrices can be represented first by its row and next by column number . For e.g., A can be represented by 12, 24 etc. R can be represented by 57, 76 etc. Identify the set for the given word. 'LAKE'

Matrix-I

	0	1	2	3	4
0	A	E	S	T	H
1	T	H	A	E	S
2	E	S	T	H	A
3	H	A	E	S	T
4	S	T	H	A	E

Matrix-II

	5	6	7	8	9
5	P	O	R	K	L
6	K	L	P	O	R
7	O	R	K	L	P
8	L	P	O	R	K
9	R	K	L	P	O

(a) 97, 00, 77, 12 (b) 66, 12, 58, 40
(c) 77, 43, 76, 31 (d) 85, 31, 77, 44

68. If PALE is coded as 2134, EARTH is coded as 41590, how is PEARL coded as ? **(SSC CHSL 2014)**
(a) 29530 (b) 24153
(c) 25413 (d) 25430

69. If the word PRINCIPAL is written as LAPICNIRP, how ADOLESCENCE can be written in that code ? **(SSC CHSL 2014)**
(a) ECNCESELODA (b) ECNECSLEODA
(c) ECNSCEELODA (d) ECNECSELODA

70. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix -I are numbered from 0 to 4 and that of Matrix - II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., A can be represented by 01, 20, 42 etc. and H can be represented by 65, 57, 98 etc. Similarly, you have to identify the set for the word given in the question.
FAITH **(SSC CHSL 2014)**

Matrix -I

	0	1	2	3	4
0	F	A	N	O	I
1	I	O	F	A	N
2	A	N	O	I	F
3	O	F	I	N	A
4	N	I	A	F	O

Matrix -II

	5	6	7	8	9
5	S	E	H	B	T
6	H	S	E	T	B
7	B	T	S	E	H
8	E	H	T	B	S
9	T	S	E	H	B

(a) 24, 31, 10, 59, 57 (b) 12, 20, 40, 68, 65
(c) 31, 34, 23, 76, 79 (d) 43, 42, 41, 78, 89

71. In a coded language, MANAGER is written as REGANAM. How will ASSISTANT be written in that code ? **(SSC Multitasking 2014)**
(a) TNATSISSA (b) TNATISSSA
(c) TNATSSIA (d) TNATSISAS

72. Number of letters skipped in between adjacent letters in the series increased by one. Which of the following series observe the rule ? **(SSC Sub. Ins. 2014)**
(a) KORYBGJ (b) LMEYTPK
(c) KMPTYEL (d) KPTYELM

73. In a certain code DEPUTATION is written as ONTADEPUTI. How is DERIVATION written in that code ? **(SSC Sub. Ins. 2014)**
(a) ONVADERITI (b) ONDEVARITI
(c) ONVAEDIRTI (d) ONVADEIRIT

74. If MADRAS is coded as 517916 and TENANT is coded as 432124, how would you encode RMATSN? **(SSC Sub. Ins. 2014)**
(a) 851353 (b) 951363
(c) 951462 (d) 941562

75. A word is represented by one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g., 'A' can be represented by 40, 01, 13, 32, and 'N' can be represented by 56, 68, 89 etc. Similarly, you have to identify the set for the word given below : **(SSC Sub. Ins. 2014)**
SIX-KIDS

Matrix-I

	0	1	2	3	4
4	A	F	K	P	U
3	F	K	A	U	P
2	P	U	F	K	A
1	K	P	U	A	F
0	U	A	P	F	K

Matrix-II

	5	6	7	8	9
9	D	I	N	S	X
8	X	S	I	D	N
7	N	X	S	I	D
6	S	D	X	N	I
5	I	N	D	X	S

(a) 86, 87, 99 — 40, 41, 86, 64
(b) 98, 96, 85 — 42, 78, 88, 77
(c) 77, 69, 76 — 22, 95, 28, 31
(d) 65, 55, 67 — 05, 25, 91, 40

76. An address has been given below, which has been reproduced against A, B, C and D alternatives. Three of these have some mistake or the other. Identify the one without any mistake. **(SSC Sub. Ins. 2014)**
FG EUROFRED LIMITED
Centennial Park,
Centennial Avenue,

Elstree, Hertfordshire
United Kingdom
WD6 3SG
(a) FG EUROFRED LIMITED
Cenetennial Park,
Elstee, Hertfordshre,
United Kingdom
WD6 3SG

(b) FG EUROFRED LIMITED
Cenetennial Park,
Centennial Avenue,
Elstree, Hertforbshire,
United Kingdom
WD6 3SG

(c) FG EUROFRED LIMITED
Centennial Park,
Centennial Avenue,
Elstree, Hertfordshire,
United Kingdom
WD6 3SG

(d) FG EUROFRED LIMITED
Centennial Park,
Centennial Avenue,
Elstee, Hertfordshire,
United Kingdom

77. Given below are numbers in the first line and symbols in the second line. Numbers and symbols are code for each other. Choose the correct code for given symbols.

1 2 3 4 5 6 7 8 9

$+ \; - \; \times \; \div \; \neq \; \uparrow \; \rightarrow \; \square \; \beta$

Which number can be decoded from the following :

$\neq \square \uparrow \times \rightarrow$

(a) 5 8 6 3 7 (b) 5 6 8 7 3

(c) 5 7 8 6 3 (d) 5 8 3 6 7

78. If CASUAL is coded as SACLAU, then what would be the code of MATRIC ? **(SSC CGL 2014)**

(a) CIRTAM (b) TMAICR
(c) TAMCIR (d) ATMCIR

79. If 'S' is written as 'H' 'R' as '@' 'A' as '∇' 'M' as '#', 'T' as '$' and 'E' as '%' then how is 'MASTER' written in that code ? **(SSC CGL 2014)**

(a) #∇H$%@ (b) #H∇$%@
(c) #∇$H%@ (d) #∇H%@$

80. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'F' can be represented by 30, 22, etc. and 'N' can be represented by 97, 89, etc. Similarly, you have to identify the set for the given word. **(SSC CGL 2014)**

"DAKU"

Matrix-I

	0	1	2	3	4
4	A	F	K	P	U
3	F	K	A	U	P
2	P	U	F	K	A
1	K	P	U	A	F
0	U	A	P	F	K

Matrix-II

	5	6	7	8	9
9	D	I	N	S	X
8	X	S	I	D	N
7	N	X	S	I	D
6	S	D	X	N	I
5	I	N	D	X	S

(a) 95, 40, 04, 42 (b) 24, 95, 20, 27
(c) 88, 24, 10, 34 (d) 57, 13, 23, 21

81. In a language FIFTY is written as CACTY, CAR as POL, TAR as TOL, how can TARIFF be written in that language? **(SSC CGL 1st. Sit. 2015)**

(a) TOEFEL (b) TOEFDD
(c) TOLADD (d) TOLACC

82. If GOODNESS is coded as HNPCODTR, how can GREATNESS be written in that code? **(SSC Sub. Ins. 2015)**

(a) HQFZSMFRT (b) HQFZUFRTM
(c) HQFZUODTR (d) HQFZUMFRT

DIRECTIONS (Qs. 83-84) : *A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column e.g., 'M' can be represented by 01, 23 etc., and 'A' can be represented by 66, 87 etc. Similarly, you have to identify the set for the word given in each question.*

83.

Matrix I

	0	1	2	3	4
0	Z	M	G	R	C
1	J	L	D	B	G
2	M	B	C	M	H
3	R	L	N	G	I
4	B	D	M	R	J

Matrix II

	5	6	7	8	9
5	X	K	T	E	S
6	Q	A	U	X	P
7	U	V	O	W	E
8	T	Y	A	F	U
9	O	O	E	V	A

LANE

(SSC Sub. Ins. 2015)

(a) 11, 66, 33, 96 (b) 31, 87, 32, 97
(c) 31, 66, 33, 97 (d) 11, 67, 32, 97

84.

Matrix I

	0	1	2	3	4
0	A	E	M	N	P
1	N	P	A	E	M
2	E	M	N	P	A
3	P	A	E	M	N
4	M	N	P	A	E

Matrix II

	5	6	7	8	9
5	I	L	R	S	T
6	R	S	T	I	L
7	T	I	L	R	S
8	L	R	S	T	I
9	S	T	I	L	R

AIRS **(SSC Sub. Ins. 2015)**

(a) 12, 76, 99, 78 (b) 43, 55, 86, 95
(c) 00, 68, 78, 88 (d) 24, 69, 56, 78

85. If LISTEN is coded as 593417 then SILENT is code as :
(SSC CHSL 2015)
(a) 591734 (b) 391754
(c) 591743 (d) 395174

86. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'A' can be represented by 03, 14 etc, and 'U' can be represented by 56, 65 etc. Similarly, you have to identify the set for the word 'BRIDE'. **(SSC CHSL 2015)**

MATRIX – I

	0	1	2	3	4
0	E	S	P	A	R
1	R	E	S	P	A
2	A	R	E	S	P
3	P	A	R	E	S
4	S	P	A	R	E

MATRIX–II

	5	6	7	8	9
5	B	U	I	L	D
6	U	I	L	D	B
7	I	L	D	B	U
8	L	D	B	U	I
9	D	B	U	I	L

(a) 96, 03, 75, 67, 22 (b) 55, 57, 21, 22, 86
(c) 96, 03, 75, 85, 22 (d) 55, 21, 57, 86, 22

87. If FADE is coded as 3854 then how can GAGE be coded?
(SSC CHSL 2015)
(a) 2834 (b) 2824
(c) 2814 (d) 1824

88. If SUNDAY= 18, MONSOON=21, YEAR=12, then THURSDAY=?
(SSC CHSL 2015)
(a) 26 (b) 42
(c) 28 (d) 24

89. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix-II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g, 'I' can be represented by 00, 14 etc , and 'N' can be represented by 59, 68 etc. Similarly, you have to identify the set for the word 'ROAD'. **(SSC CHSL 2015)**

Matrix I

	0	1	2	3	4
0	I	M	W	S	Q
1	M	W	S	Q	1
2	W	S	Q	I	M
3	S	Q	I	M	W
4	Q	I	M	W	S

Matrix II

	5	6	7	8	9
5	O	A	D	R	N
6	A	D	R	N	O
7	D	R	N	O	A
8	R	N	O	A	D
9	N	O	A	D	R

(a) 56, 67, 57, 96 (b) 67, 57, 96, 56
(c) 96, 67, 56, 57 (d) 67, 96, 56, 57

90. Name a single letter, which can be prefixed to the following words in order to obtain entirely new words ?
TILL TABLE PILE TAB PRING
(SSC CGL 1st Sit. 2015)
(a) S (b) B (c) H (d) C

91. Using the following code and key decode the given coded word:

Code : L X P Z J Y Q M N B
Key : b a e s p r h i g t

Coded word : Z B Y X M N Q B **(SSC CGL 1st Sit. 2015)**
(a) height (b) struggle
(c) straight (d) strength

92. In a certain code "MOUSE" is written as "PRUQC". How is "SHIFT" written in that code? **(SSC CGL 1st Sit. 2015)**
(a) VJIDR (b) VIKRD
(c) RKIVD (d) VKIDR

93. In a certain code, '253' means 'books are old'; '546' means 'man is old' and '378' means 'buy good books'. What stands for "are" in that code? **(SSC CGL 1st Sit. 2015)**
(a) 2 (b) 4 (c) 5 (d) 6

94. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatiives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g.. 'A' can be represented by 01, 14 etc. and 'O' can be represented by 59, 67 etc. similarly, you have to identify the set for the word 'PEARL'. **(SSC CGL 1st. Sit. 2015)**

Matrix – I

	0	1	2	3	4
0	P	A	G	R	Z
1	G	R	Z	P	A
2	Z	P	A	G	R
3	A	G	R	Z	P
4	R	Z	P	A	G

Matrix – II

	5	6	7	8	9
5	E	M	L	N	O
6	L	E	O	M	N
7	O	N	E	L	M
8	N	O	M	E	L
9	M	L	N	O	E

(a) 00, 55, 22, 11, 96 (b) 00, 66, 14, 32, 56
(c) 13, 77, 30, 14, 88 (d) 12, 88, 43, 32, 89

95. In a certain coding system APPLE stands for ETTPI. What is the code for 'DELHI'? **(SSC CGL 1st Sit. 2015)**
(a) CQMND (b) ZAHDE
(c) HIPLM (d) CQPLM

96. Name a single letter, which can be deleted from the body of the following words to form entirely new words?
HOST POST COST LOST STOP
(SSC CGL 1st. Sit. 2015)

(a) T (b) P
(c) S (d) O

97. If CUSTOM is written as UCTSMO then how PARENT will be written in the same code? **(SSC CGL 1st Sit. 2015)**
(a) TNERAP (b) RAPTNE
(c) ERAPTN (d) APERTN

98. If 'air' is called 'green', green is called 'blue', 'blue' is called 'sky', 'sky' is called 'yellow', 'yellow' is called 'water' and water is called 'Pink' then what is the colour of clear sky ?
(SSC CGL 1st Sit. 2015)
(a) Yellow (b) Water
(c) Sky (d) Blue

99. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g. 'A' can be represented by 01, 14 etc. and 'M' can be represented by 56, 68 etc. Similarly, you have to identify the set for the word 'EAGLE'. **(SSC CGL 1st Sit. 2015)**

Matrix – I

	0	1	2	3	4
0	P	A	G	R	Z
1	G	R	Z	P	A
2	Z	P	A	G	R
3	A	G	R	Z	P
4	R	Z	P	A	G

Matrix – II

	5	6	7	8	9
5	E	M	L	N	O
6	L	E	O	M	N
7	O	N	E	L	M
8	N	O	M	E	L
9	M	L	N	O	E

(a) 88, 22, 31, 89, 76 (b) 66, 43, 44, 79, 88
(c) 99, 01, 44, 96, 77 (d) 55, 14, 11, 78, 66

100. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9.A letter from this matrix can be represented first by its row and next by its coloum ex "A" can be represented by 03,10,etc and "P" can be represented by 55, 67, etc. Similarly, you have to identify the set for the word "REST" **(SSC CGL 1st Sit. 2016)**

MATRIX-I

	0	1	2	3	4
0	L	N	E	A	C
1	A	C	L	N	E
2	N	E	A	C	L
3	C	L	N	E	A
4	E	A	C	L	N

MATRIX-II

	5	6	7	8	9
5	P	T	O	R	S
6	R	S	P	T	O
7	T	O	R	S	P
8	S	P	T	O	R
9	O	R	S	P	T

(a) 96, 33, 44, 87 (b) 58, 21, 85, 75
(c) 89, 40, 31, 56 (d) 77, 10, 55, 68

101. If 'WZB' stands for 'DAY', how will you code 'MONDAY'?
(SSC CGL 1st Sit. 2016)
(a) NLMWZB (b) PLOWZB
(c) NMLWZB (d) PQRWZB

102. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 01, 13, etc., and 'S' can be represented by 55, 66, etc. Similarly you have to identify the set for the word 'BOTH'.
(SSC CGL 1st Sit. 2016)

MATRIX I

	0	1	2	3	4
0	F	A	N	O	I
1	I	O	F	A	N
2	A	N	O	I	F
3	O	F	I	N	A
4	N	I	A	F	O

MATRIX II

	5	6	7	8	9
5	S	E	H	B	T
6	H	S	E	T	B
7	B	T	S	E	H
8	E	H	T	B	S
9	T	S	E	H	B

(a) 69,67,68,59 (b) 75,22,76,79
(c) 88,30,85,86 (d) 58,02,68,65

103. If in a certain language TEACHER is coded as QBXZEBO, then how is STUDENT coded in the same language?
(SSC CGL 1st Sit. 2016)
(a) PQRBAQK (b) PQRABKQ
(c) PQRKBAQ (d) PRKQBAQ

104. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'P' can be represented by 02, 13, etc., and 'A' can be represented by 57, 68, etc. Similarly you have to identify the set for the word **'GUNS'**
(SSC CGL 1st Sit. 2016)

	0	1	2	3	4
0	S	U	P	E	R
1	R	S	U	P	E
2	E	R	S	U	P
3	P	E	R	S	U
4	U	P	E	R	S

	5	6	7	8	9
5	G	L	A	N	D
6	D	G	L	A	N
7	N	D	G	L	A
8	A	N	D	G	L
9	L	A	N	D	G

(a) 88, 23, 59, 33 (b) 66, 40, 67, 11
(c) 55, 34, 77, 44 (d) 99, 12, 86, 22

105. If C is coded 3 , DASH is coded as 32 , then DANCE will be coded as **(SSC CGL 1st Sit. 2016)**
(a) 20 (b) 25 (c) 26 (d) 27

106. In the question, a word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter these matrix can be represented first by row and next by its column , e. g., 'A' can be represented by 01 , 13 , etc. ., and 'B' can be represented by 58 , 69 , etc.., Similarly , you have to identify the set for the word 'FINE'
(SSC CGL 1st Sit. 2016)

MATRIX-I

	0	1	2	3	4
0	F	A	N	O	I
1	I	O	F	A	N
2	A	N	O	I	F
3	O	F	I	N	A
4	N	I	A	F	O

MATRIX-II

	5	6	7	8	9
5	S	E	H	B	T
6	H	S	E	T	B
7	B	T	S	E	H
8	E	H	T	B	S
9	T	S	E	H	B

(a) 00 , 04 , 02 , 56 (b) 12 , 10 , 13 , 67
(c) 24 , 19 , 31 , 78 (d) 31 , 32 , 33 , 87

107. In the following question, number of letters skipped in between adjacent letters of the series starting from behind increased by one. Which of the following observes the rule?
(SSC Stenographer 2016)
(a) OlGDC (b) OMKIG
(c) ONLKJ (d) OMJFA

108. If Blue means Pink, Pink means Green, Green means Yellow, yellow means Red and Red means White, then what is the colour of turmeric ? **(SSC Stenographer 2016)**
(a) Pink (b) Yellow
(c) Red (d) Green

109. If DANGER is coded as 11 - 8 - 21 - 14 - 12 - 25, then how will be coded the word MACHINE ? **(SSC Stenographer 2016)**
(a) 10 - 21 - 15 - 14 - 26 - 17 - 18
(a) 10 - 21 - 15 - 14 - 26 - 17 - 18
(b) 20 - 8 - 10 - 16 - 17 - 22 - 13
(c) 20 - 10 - 8 - 12 - 15 - 16 - 7
(d) 20 - 8 - 10 - 15 -16 - 21 - 12

110. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of matrix I are numbered from 0 to 3 and that of Matrix II are numbered from 4 to 7. A letter from these matrices can be represented first by its now and next by its column, e.g., 'D' can be represented by 01 and 'R' can be represented by 44, Similarly, you have to identify the set for the word 'TALE'
(SSC Stenographer 2016)

Matrix - I

	0	1	2	3
0	A	D	G	H
1	P	S	V	Z
1	C	F	I	M
3	T	L	E	Q

Matrix - I

	4	5	6	7
4	R	U	B	O
5	N	W	J	X
6	T	K	S	G
7	I	H	A	F

(a) 64, 00, 31, 32 (b) 46, 13, 00 23
(c) 00, 31, 64, 32 (d) 30, 76, 23, 32

111. In a certain language GAMBLE is coded as FBLCKF, how is FLOWER coded in that code?
(SSC Sub. Ins. 2016)
(a) GMPVDS (b) GKPVFQ
(c) EMNXDS (d) EKNVDQ

Directions : *In the following Two questions, a word is represented by only one set of numbers as given in any one of the alternatives the sets of numbers given in the alternatives are represented by two classes of alphabets as in two metrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g.., 'A' can be represented by 03, 44 etc, and 'Q' can be represented by 55, 78 etc. Similarly, you have to identify the set for the word given in questions.*

(SSC Sub. Ins. 2016)

112. RETAIL

Matrix - I

	0	1	2	3	4
0	M	O	R	A	L
1	O	R	A	L	M
2	R	A	L	M	O
3	A	L	M	O	R
4	L	M	O	R	A

Matrix-II

	5	6	7	8	9
5	Q	U	I	E	T
6	U	I	E	T	Q
7	I	E	T	Q	U
8	E	T	Q	U	I
9	T	Q	U	I	E

(a) 20, 85, 77, 21, 57, 13 (b) 77, 21, 20, 85, 57, 13
(c) 20, 77, 85, 21, 13, 57 (d) 77, 85, 21, 13, 57, 20

113. BIRDS

Matrix - I

	0	1	2	3	4
0	S	P	A	R	E
1	P	A	R	E	S
2	A	R	E	S	P
3	R	E	S	P	A
4	E	S	P	A	R

Matrix - II

	5	6	7	8	9
5	B	U	I	L	D
6	U	I	L	D	B
7	I	L	D	B	U
8	L	D	B	U	I
9	D	B	U	I	L

(a) 87, 75, 12, 68, 23 (b) 23, 75, 12, 87, 23
(c) 86, 12, 75, 23, 68 (d) 87, 12, 75, 68, 23

114. If BHASHA is coded as 154754, BRAIN is coded as 13408, AHINSA will be coded as. **(SSC Sub. Ins. 2016)**
(a) 458074 (b) 405847
(c) 450847 (d) 480874

115. In a certain code language, "BAD" is written as "7" and "SAP" is written as "9". How is "BAN" written in that code language? **(SSC CGL 2017)**
(a) 8 (b) 3
(c) 4 (d) 6

116. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of **Matrix – I** are numbered from 0 to 4 and that of **Matrix – II** are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column for example **'K'** can be represented by 01, 34 etc and **'P'** can be represented by 65, 99 etc. Similarly, you have to identify in set for the word **"BLAND"**. **(SSC CGL 2017)**

Matrix – I

	0	1	2	3	4
0	A	K	B	L	C
1	B	A	C	K	L
2	L	C	K	B	A
3	C	B	L	A	K
4	K	L	A	C	B

Matrix – II

	5	6	7	8	9
5	N	O	P	S	D
6	P	D	S	N	O
7	O	P	N	D	S
8	D	S	O	P	N
9	S	N	D	O	P

(a) 10, 14, 00, 68, 79
(b) 31, 41, 33, 96, 86
(c) 44, 20, 42, 88, 59
(d) 23, 32, 24, 55, 66

117. In a certain code language **"NIGHT"** is written as **"ODDGM"** and **"DARK"** is written as **"GOYC"**. How is **"GREEN"** written in that code language? **(SSC CGL 2017)**
(a) IABPF (b) MCBNB
(c) OGHVL (d) FPBAI

118. A word is represented by only one set of numbers as given in any one of the alternatives. The numbers of sets given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix – I are numbered from 0 to 4 and that of Matrix numbered from 5 to 9. A letter from these matrices can be represented by its row and next by its, column for example. 'C' can be represented by 10, 34 etc., and 'D' can be represented by 85, 98 etc. Similarly, you have to identify the set for the word "STEAL". **(SSC CGL 2017)**

Matrix – I

	0	1	2	3	4
0	T	S	C	E	K
1	C	K	E	T	S
2	K	E	S	C	T
3	S	T	K	E	C
4	E	C	T	S	K

Matrix – II

	5	6	7	8	9
5	P	D	A	I	L
6	L	I	D	A	P
7	I	A	L	P	A
8	D	P	I	L	A
9	A	L	P	D	I

(a) 01, 13, 04, 76, 66 (b) 14, 31, 40, 95, 59
(c) 22, 42, 21, 69, 67 (d) 43, 24, 33, 57, 58

119. In a certain code language, **"TIRED"** is written as **"56"** and **"BRAIN"** is written as **"44"**. How is **'LAZY"** written in that code language? **(SSC CGL 2017)**
(a) 64 (b) 61
(c) 58 (d) 43

120. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix – I are numbered from 0 to 4 and that of Matrix – II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'K' can be represented by 10, 31, etc., and 'M' can be represented by 76, 87, etc. Similarly, you have to identify the set for the word "SCAM". **(SSC CGL 2017)**

Matrix – I

	0	1	2	3	4
0	S	P	K	N	C
1	K	S	C	P	N
2	P	C	N	S	K
3	N	K	S	C	P
4	C	N	P	K	S

Matrix – II

	5	6	7	8	9
5	I	R	A	J	M
6	A	J	I	M	R
7	J	M	R	A	I
8	R	A	M	I	J
9	M	I	J	R	A

(a) 00, 13, 57, 76 (b) 11, 04, 86, 59
(c) 23, 22, 99, 95 (d) 32, 40, 66, 68

121. In a certain code language **"who are you"** is written as **"432"** , **"they is you"** is written as **"485"** and **"they are dangerous"** is written as **"295"**. How is **"dangerous"**written in that code language? **(SSC CGL 2017)**
(a) 2 (b) 4
(c) 5 (d) 9

122. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix – I are numbered from 0 to 4 and that of Matrix – II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'S' can be represented by 21, 43 etc and '0' can be represented by 65, 88, etc. Similarly , you have to identify the set for the word "SPEAK". **(SSC CGL 2017)**

Matrix – I

	0	1	2	3	4
0	I	C	E	P	S
1	S	E	P	I	C
2	E	S	I	C	P
3	C	P	S	E	I
4	P	I	C	S	E

Matrix – II

	5	6	7	8	9
5	R	O	A	K	B
6	O	A	K	B	R
7	A	K	B	R	O
8	K	B	R	O	A
9	B	R	O	A	K

(a) 10, 12, 11, 66, 58 (b) 43, 31, 33, 89, 86
(c) 21, 40, 44, 56, 99 (d) 32, 03, 20, 97, 66

123. In a certain code language, "RIVER" is written as "12351" and "RED" is written as "156". How is "DRIVER" written in that code language? **(SSC CHSL 2017)**
(a) 612311 (b) 612531
(c) 621351 (d) 612351

124. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix – I are numbered from 0 to 4 and that of Matrix – II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'E' can be represented by 02, 11, etc. and 'G' can be represented by 65, 56 etc. Similarly, you have to identify the set for the word 'EAGER;'. **(SSC CHSL 2017)**

Matrix – I **Matrix – II**

Matrix – I

	0	1	2	3	4
0	S	T	E	D	B
1	A	E	O	F	A
2	E	T	P	A	N
3	D	G	A	S	M
4	G	A	Q	W	I

Matrix – II

	5	6	7	8	9
5	F	G	M	R	C
6	G	N	R	K	L
7	A	R	Y	J	F
8	R	B	W	G	Y
9	S	V	Q	H	T

(a) 02, 10, 65, 11, 68 (b) 02, 10, 65, 87, 85
(c) 02, 10, 65, 11, 85 (d) 02, 10, 65, 59, 85

125. If 'LONDON is coded as MPOEPO. What code is needed for 'DELHI'? **(SSC MTS 2017)**
(a) DEHLI (b) HLDEI
(c) EFIMJ (d) EFMIJ

126. A word is represented by only one set of numbers as given in any one of the alternatoves. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., 'A' can be represented by 00,44 etc., and 'X' can be represented by 78,97 etc. Similarly, you have to identify the set for the word PICK. **(SSC MTS 2017)**

Matrix – I **Matrix – II**

	0	1	2	3	4
0	A	R	B	C	E
1	T	H	S	E	R
2	R	E	H	D	S
3	S	D	T	O	C
4	E	B	O	R	A

	5	6	7	8	9
5	K	P	I	L	M
6	X	W	Z	M	G
7	F	I	K	X	P
8	G	N	F	L	W
9	N	P	X	Z	L

(a) 76, 66, 34, 98 (b) 65, 67, 43, 65
(c) 56, 76, 34, 55 (d) 76, 67, 34, 89

127. In a certain code language, **"SURGEON"** is written as **"QLHDURV"** and **"CORNER"** is written as **"OHKULF"**. How is **"SHADOW"** written in that code language? **(SSC Sub. Ins. 2017)**
(a) DRTERS (b) TRADEV
(c) UQBCFU (d) TFBCPX

128. In a certain code language, **"SUN** is written as **"54"** and **"PUT"** is written as **"57"**. How is **"CAT"** Written in that code language? **(SSC Sub. Ins. 2017)**
(a) 28 (b) 24
(c) 52 (d) 36

129. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of **Matrix-I** are numbered from 0 to 4 and that of **Matrix-II** are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'I' can be represented by 12, 44, etc.,and **'D'** can be example, 'I' can be represented by 12, 44, etc.,and **'D'** can be represented by 75, 97, etc. Similarly, you have to identify the set for the word **"CHEAT"**. **(SSC Sub. Ins. 2017)**

Matrix – I **Matrix – II**

	0	1	2	3	4
0	H	I	G	C	N
1	C	N	I	G	H
2	I	H	C	N	G
3	N	G	H	I	C
4	G	C	N	H	I

	5	6	7	8	9
5	T	D	S	A	E
6	S	A	T	E	D
7	D	E	A	S	T
8	A	T	E	D	S
9	E	S	D	T	A

(a) 10, 21, 68, 77, 56 (b) 34, 43, 95, 85, 96
(c) 41, 14, 76, 99, 79 (d) 22, 00, 87, 67, 67

130. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of **Matrix-I** are numbered from 0 to 4 and that of **Matrix-II** are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example **'Q'** can be represented by 12, 43, etc.., and **'M'** can be represented by 67, 99, etc. Similarly, you have to identify the set for the word **"PRICE".** **(SSC Sub. Ins. 2017)**

Matrix – I **Matrix – II**

	0	1	2	3	4
0	Q	T	S	R	P
1	R	P	Q	S	T
2	S	Q	T	P	R
3	P	S	R	T	Q
4	T	R	P	Q	S

	5	6	7	8	9
5	I	M	E	C	D
6	E	C	M	D	I
7	C	D	I	M	E
8	M	E	D	I	C
9	D	I	C	E	M

(a) 23, 03, 55, 66, 99 (b) 42, 24, 88, 56, 65
(c) 11, 10, 96, 97, 85 (d) 04, 41, 69, 75, 57

131. A word is represented by ony one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-1 are numbered from 0 to 4 and that of Matrix-II are

numbered from 5 to 9. A letter from these matrics can be represented first by its row and next by its column. for example 'I' can be represented by 41, 87, etc. and 'N' can be represented by 04, 89. etc. Similarly, you have to identify the set for the word "TRACE". **(SSC Steno. 2017)**

Matrix-I

	0	1	2	3	4
0	F	E	K	O	N
1	P	M	A	C	T
2	Z	G	W	I	Q
3	D	F	A	L	R
4	O	I	S	P	X

Matrix-II

	5	6	7	8	9
5	M	E	Z	S	T
6	Z	K	F	C	Z
7	L	Q	Z	Y	D
8	A	E	I	R	N
9	Q	Z	T	Y	I

(a) 14, 31, 32, 02, 56 (b) 65, 67, 86, 97, 98
(c) 97, 34, 12, 13, 01 (d) 14, 88, 89, 68, 23

132. In a certain code language, "POTTER" is written as "ONSUFS". "WALKER" written in that code language? **(SSC Steno. 2017)**
(a) VZKLFS (b) VZLKFS
(c) VZKLFT (d) WALLFS

133. In a certain code language, "TOMB" is written as "MOVE" and "TACKLE" is written as "MFDGPR". How is "TABLET" written in that code language? **(SSC Steno. 2017)**
(a) MFEPRT (b) MFDVER
(c) MERPTS (d) MFEPRM

134. In a code language, COMPUTER is written as IVGFKNLX. How will TELEPHONE be written in that language? **(SSC CGL 2018)**
(a) VMNSKVOVG (b) GVOVKSLMV
(c) VMLSKUOVG (d) VMLSKVOVG

135. If EAGER is coded as 51759 then how will CADET be coded? **(SSC CGL 2018)**
(a) 31457 (b) 34157
(c) 31547 (d) 31450

136. 'China' is related to 'Yuan' in the same way as 'Japan' is related to '_____'. **(SSC CGL 2018)**
(a) Rand (b) Sushi (c) Lira (d) Yen

137. In a code language, TROPICAL is written as PORTLACT. How will DISTANCE be written in that language? **(SSC CGL 2018)**
(a) ISTSNAEF (b) TSIDECNA
(c) TSIDECAN (d) STIDECNA

138. In a code language, if LAMINATE is coded as 121139141205, then how will SYSTEMIC be coded in the same language? **(SSC CGL 2018)**
(a) 1925192051393 (b) 1925192051493
(c) 1825182051393 (d) 1925192051383

139. If CAT is coded as 72 and TROT is coded as 292, then how will STAG be coded as? **(SSC CHSL 2018)**
(a) 47 (b) 235
(c) 141 (d) 188

140. In a code language, HUSK is written as LZYR. How will SERIAL be written as in that language? **(SSC CHSL 2018)**
(a) WJXPIU (b) WKYQJU
(c) WKYQJV (d) WJXPIV

141. In a code language, BACHELOR is written as SNMDIBBA. How will COHESION be written as in that language? **(SSC Sub. Ins. 2018)**
(a) ONIFTJBP (b) ONJRFGPB
(c) BPJTFINO (d) NPHTDIND

142. In a code language, MACHINE is written as CAMHENI. How will MONSTER be written as in that language? **(SSC Sub. Ins. 2018)**
(a) NOMSRET (b) SNOMRET
(c) NOMETSR (d) OMNSETR

143. If FAKE is coded as 52106 and MAD is coded as 1223, then how will DEER be coded as? **(SSC Sub. Ins. 2018)**
(a) 36419 (b) 47520
(c) 35418 (d) 36420

144. If CAB = 13 and FEED = 41, then JADE = _____. **(SSC Sub. Ins. 2018)**
(a) 43 (b) 45
(c) 35 (d) 41

145. If moon is called sea, sea is called water, water is called air, air is called sun, sun is called river, river is called salt and salt is known as neem, then from where do we get SALT? **(SSC Stenographer 2018)**
(a) Sea (b) Salt
(c) Water (d) Neem

146. If in a code language, LAPTOP is written as PNSOZL and NOTEBOOK and KNNADSNN, then which letter will be there in first and seventh letter from left after coding MEDICINE in the same way? **(SSC Stenographer 2018)**
(a) ED (b) BD
(c) HM (d) DM

147. In a code language, DOUBT is written as CPTCS, and OTHER is written as NUGFQ. How will SHOUT be written in that code language? **(SSC Stenographer 2018)**
(a) RGNTS (b) TIPVU
(c) RIPTU (d) RINVS

148. In a certain code language, WARDROBE is written as YXVYXHJV. How will ACCURATE be written as in that language? **(SSC CGL 2019-20)**
(a) CZHPYTBV (b) DZGPXTBV
(c) CZGPXTBV (d) BZHPXTBV

149. In a certain code language, 'HARVEST' is coded as '22-21-7-24-20-3-10'. How will 'FARMER' be coded as in that language ? **(SSC CGL 2019-20)**
(a) 20-7-14-21-3-8 (b) 19-7-15-20-3-7
(c) 19-7-15-19-3-8 (d) 20-7-15-20-3-8

150. In a certain code language, 'RIGIDS' is written as 'TFIFFP'. What will be the code for 'CORNET' in the code language? **(SSC MTS 2019-20)**
(a) GNVMIS (b) FMULHR
(c) ELTKRQ (d) ELTKGQ

151. In a certain code language, 'ROK' is as '44' and 'MIG' is written as '29'. What will be the code for 'TAL' in that code language? **(SSC MTS 2019-20)**
(a) 33 (b) 34 (c) 41 (d) 43

152. In a certain code language, 'PING', is written as '4' and 'METAL' is as '5'. What will be the code for 'STEADYS' in that code language? **(SSC MTS 2019-20)**
(a) 8 (b) 7 (c) 5 (d) 6

153. In a certain code language, 'GROUND' is written as 'BMJPIY'. What will be the code for 'FREAK' in that code language? **(SSC MTS 2019-20)**
(a) BOAYH (b) AMYVF
(c) BNAWG (d) AMZVF

154. In a certain code language, 'LOCKER' is written as 'OLXPVT'. How will 'GLOBAL' be written as in that language? **(SSC CHSL 2019-20)**
(a) JOREDO (b) HUYTRE
(c) TOLYZO (d) UPMZAP

155. In a certain code language, NIB is coded as 112 and COB is coded as 122. How will JET be coded as in that language? **(SSC CHSL 2019-20)**
(a) 119 (b) 102 (c) 92 (d) 81

156. In a certain code language, 'CROW' is coded as '64' and 'EAGLE' is coded as '125'. How will 'PARRORT' be coded in that language? **(SSC CGL 2020-21)**
(a) 216 (b) 249 (c) 88 (d) 232

157. In a certain code language, COUNTRY' is written as 'BOWKXLF'. How will 'DESPAIR' be written in that language? **(SSC CGL 2020-21)**
(a) GBVMDFU (b) ULDSVHG
(c) GBSPSXIO (d) UFDMVBG

158. In a certain code language, 'FROZEN' is coded as '504' and 'TONSILS' is coded as '756'. How will 'MARINE' be coded in that language? **(SSC CHSL 2020-21)**
(a) 652 (b) 520 (c) 456 (d) 360

159. In a code language, TOUCH is written as UTOCH. How will PLANT be written in that language? **(SSC CHSL 2020-21)**
(a) ALRPT (b) TPANM
(c) QMBOU (d) TPNLA

160. If MOTHER is coded as QDGSNL, then how would SHEATH be coded? **(SSC MTS 2020-21)**
(a) IUBFIT (b) GSZDGR
(c) RGDGSZ (d) RZSGDG

161. If FRIEND is coded as 86 and SICK is coded as 62, then how would FRECKLE be coded? **(SSC MTS 2020-21)**
(a) 108 (b) 87 (c) 90 (d) 95

162. If MARKET is coded as 15 and SUBMARINE is coded as 21, then how would CONVENTIONAL be coded? **(SSC MTS 2020-21)**
(a) 23 (b) 27 (c) 24 (d) 31

163. If PEDAGOGUE is coded as DEPNFZEUG, then how would HAMSTRING be coded? **(SSC MTS 2020-21)**
(a) SMAHTGNIR (b) ASRNGITMH
(c) MAHQSRGNI (d) MAHSUTGNI

164. If 'Red' is called 'Tomato', 'Tomato' is called 'Sweet', 'Sweet' is called 'Good', and 'Good' is called 'Clean', then what is the colour of blood? **(SSC Stenographer 2020-21)**
(a) Good (b) Clean
(c) Tomato (d) Red

165. In a certain code language, 'YOUNGER' is written as 'AQWNECP'. How will 'NUMBERS' be written as in that language? **(SSC Stenographer 2020-21)**
(a) LWOBCPU (b) PWOBCPQ
(c) PYOBGPQ (d) PWNDCPQ

166. In a certain code language, 'CURSOR' is written as '564' and 'BOY' is written as '126'. How will 'FREE' be written as in that language? **(SSC Stenographer 2020-21)**
(a) 126 (b) 154 (c) 136 (d) 130

167. In a code language, 'TORCH' is written as 'UNPSDI' and 'BEST' is written as 'CDFTU'. How will 'MARKS' be written in that language? **(SSC Sub-Inspector 2020-21)**
(a) OZBSMT (b) NZCSLT
(c) NABSLU (d) NZBSLT

168. In a code language. 'DENT' is written as '51' and 'LOAD' is written as '40' How will 'COST' be written in that language? **(SSC Sub-Inspector 2020-21)**
(a) 75 (b) 62 (c) 65 (d) 57

169. In a code language, if 'you are there' is written as 'ter der jer', 'we stay here' is written as 'yer mer ner'. 'we are late' is written as 'ser ner der'. and 'I stay there' is written as 'yer fer jer', then how would 'you stay late' be written in this language? **(SSC Sub-Inspector 2020-21)**
(a) ter mer ser (b) ter yer mer
(c) ter yer ser (d) der yer ser

170. In a code language, 'PLACARD' is written as 'TPEYEVH'. How will 'MONSTER' be written in that language? **(SSC Sub-Inspector 2020-21)**
(a) PSSOXJV (b) RTSOXIV
(c) QSROXIV (d) QSRRXIV

171. In a code language, if '265' is written as 'PNH' '187' is written as 'OXB'. and '248' is written as 'NUB', then which of the following letters represents the number '4'? **(SSC Sub-Inspector 2020-21)**
(a) U (b) N (c) B (d) P

Hints & Solutions

1. (b) As, H O S P I T A L
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
3 2 5 7 4 6 1 8

Therefore, P O S T A L
↓ ↓ ↓ ↓ ↓ ↓
7 2 5 6 1 8

2. (a) S P A R K → T Q B S L
+1 +1 +1 +1 +1

Similarly,

F L A M E → G M B N F
+1 +1 +1 +1 +1

3. (b) As, H O N E S T Y
↓ ↓ ↓ ↓ ↓ ↓ ↓
5 1 3 2 4 6 8

and, P O V E R T Y
↓ ↓ ↓ ↓ ↓ ↓ ↓
7 1 9 2 0 6 8

Therefore,

H O R S E
↓ ↓ ↓ ↓ ↓
5 1 0 4 2

4. (a) As,

S I S T E R → R H R S D Q
−1 −1 −1 −1 −1 −1

Similarly,

U N C L E → T M B K D
−1 −1 −1 −1 −1

5. (b) Only ACFJOU follows a particular rule
A C F J O U
+2 +3 +4 +5 +6

6. (b) Difference is +2, +4, +6, +8, +10, +12, +14, +16

7. (c) As, D E L H I
↓ ↓ ↓ ↓ ↓
7 3 5 4 1

and C A L C U T T A
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
8 2 5 8 9 6 6 2

Therefore,

C A L I C U T
↓ ↓ ↓ ↓ ↓ ↓ ↓
8 2 5 1 8 9 6

8. (c) As, M E K L F
↓ ↓ ↓ ↓ ↓
9 1 7 8 2

and
L L L J K
↓ ↓ ↓ ↓ ↓
8 8 8 6 7

Therefore,
I G H E D
↓ ↓ ↓ ↓ ↓
5 3 4 1 0

(Here, E = 1, F = 2, G = 3, So on.)

9. (d) As,
R A M A Y A N A
−2↓ −2↓ −2↓ −2↓ −2↓ −2↓ −2↓ −2↓
P Y K Y W Y L Y

Similarly,
M A H A B H A R A T A
−2↓ −2↓ −2↓ −2↓ −2↓ −2↓ −2↓ −2↓ −2↓ −2↓ −2↓
K Y F Y Z F Y P Y R Y

10. (b) As,
P E A R
↓ ↓ ↓ ↓
G F D N

Therefore,
R E A P
↓ ↓ ↓ ↓
N F D G

11. (a) As,

F L A T T E R
↓ ↓ ↓ ↓ ↓ ↓ ↓
7 2 3 8 8 5 9

and,

M O T H E R
↓ ↓ ↓ ↓ ↓ ↓
4 6 8 1 5 9

Therefore,

M A M M O T H
↓ ↓ ↓ ↓ ↓ ↓ ↓
4 3 4 4 6 8 1

12. (d) C E R T A I N
↕ ↕ ↕ ↕ ↕ ↕ ↕
X V I G Z R M

Pairs of Opposite Letters

S E Q U E N C E
↕ ↕ ↕ ↕ ↕ ↕ ↕ ↕
H V J F V M X V

Therefore,

R E Q U I R E D
↕ ↕ ↕ ↕ ↕ ↕ ↕ ↕
I V J F R I V W

13. (d) As,

L U X O R
↓ ↓ ↓ ↓ ↓
12 + 21 + 24 + 15 + 18 = 90

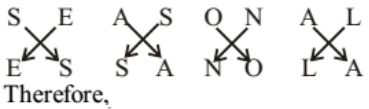
$\frac{90}{3} = 30$

Similarly,

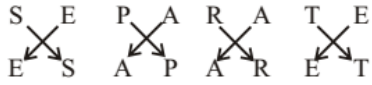
G U I L D S
↓ ↓ ↓ ↓ ↓ ↓
7 + 21 + 9 + 12 + 4 + 19 = 72

$\frac{72}{3} = \boxed{24}$

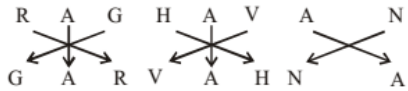
14. (d)



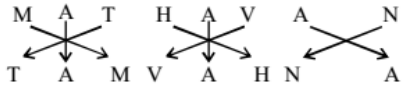
Therefore,



15. (a)



Similarly,



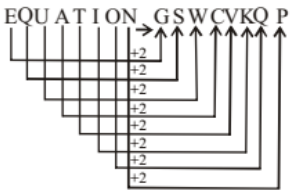
16. (a) As,

F R I E N D
+3↓ +3↓ +3↓ +3↓ +3↓ +3↓
I U L H Q G

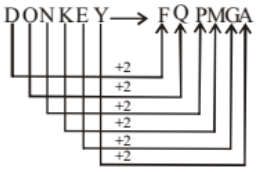
Similarly,

E N E M Y
+3↓ +3↓ +3↓ +3↓ +3↓
H Q H P B

17. (a)



Similarly,



18. (b) S ⇒ 55, 67, 79, 88, 96
A ⇒ 01, 13, 20, 34, 42
L ⇒ 56, 69, 77, 85, 98
M ⇒ 58, 66, 75, 89, 97

Option	S	A	L	M
(a)	55	20	56	59
(b)	79	13	69	75
(c)	96	34	76	89
(d)	67	21	85	97

19. (c) GRAPE = 2 7 3 5 4
FOUR = 1 6 8 7
So, G = 2, R = 7, A = 3, P = 5, E = 4, F = 1, O = 6, U = 8, R = 7
GROUP = 2 7 6 8 5

20. (a) As

W A Y I N
−3↓ −3↓ −3↓ −3↓ −3↓
T X V F K

L B U K
Similarly, −3↓ −3↓ −3↓ −3↓
I Y R H

21. (b) As,

P A R T N E R
−1↓ −1↓ −1↓ −1↓ −1↓ −1↓ −1↓
O Z Q S M D Q

Similarly,

S E G M E N T
−1↓ −1↓ −1↓ −1↓ −1↓ −1↓ −1↓
R D F L D M S

22. (c) As,

D O C T O R
+2↓ +2↓ +2↓ +2↓ +2↓ +2↓
F Q E V Q T

Similarly,

P	A	T	I	E	N	T
+2↓	+2↓	+2↓	+2↓	+2↓	+2↓	+2↓
R	C	V	K	G	P	V

23. (c) S ⟶ 56, 68, 79, 85, 97
H ⟶ 01, 14, 20, 33, 42
R ⟶ 00, 13, 22, 31, 44
I ⟶ 04, 10, 23, 32, 41
SHRI → 68, 20, 13, 32

24. (d) The place value of D E G I

↓ ↓ ↓ ↓

4 5 7 9 ⇒ 4 + 5 + 7 + 9 = 25

Similarly, F E H D ⇒ 6 + 5 + 8 + 4 = 23

25. (b)

S	I	S	T	E	R
↓	↓	↓	↓	↓	↓
19	9	19	20	5	18
+1	+1	+1	+1	+1	+1
20	10	20	21	6	19

Similarly,

B	R	O	T	H	E	R
↓	↓	↓	↓	↓	↓	↓
2	18	15	20	8	5	18
+1	+1	+1	+1	+1	+1	+1
3	19	16	21	9	6	19

26. (c) Delhi is the capital of India but India is called Pakistan.
Therefore, Delhi is called the capital of Pakistan.

27. (d) P → 56, 68, 75, 87, 99
O → 55, 67, 79, 86, 98
S → 58, 65, 77, 89, 96
E → 01, 13, 20, 32, 44
POSE → 56, 67, 77, 01

28. (a)

P	A	L	E
+2↓	+2↓	+2↓	+2↓
R	C	N	G

Similarly,

L	E	A	P
+2↓	+2↓	+2↓	+2↓
N	G	C	R

29. (c)

16	15	19	20	⟶ In forward direction, when A is taken as 1.
P	O	S	T	
↓	↓	↓	↓	
K	L	H	G	
16	15	19	20	⟶ In reverse direction, when Z is taken as 1.

	14	21	18	19
∴	N	U	R	S
	↓	↓	↓	↓
	M	F	I	H
	14	21	18	19

30. (d) This question comes under the category of sum 27.
Here G's position is written in reverse order.

Therefore,

G	A	R	M	E	N	T
20	26	9	14	22	13	7

Similarly,

I	N	D	U	L	G	E
18	13	23	6	15	20	22

31. (d) A = 1, A + C + E = 1 + 3 + 5 = 9
A + R + T = 1 + 18 + 20 = 39

32. (b) Letters have been coded as-

P	A	R	K	S	H	I	T	N	D
↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
5	3	9	4	1	7	6	8	2	0

Code for

N	I	S	H	A	R
↓	↓	↓	↓	↓	↓
2	6	1	7	3	9

33. (b)

1	2	3	4	5	6	7	8	9
S	Y	N	D	I	C	A	T	E

Coded as

S	Y	T	E	N	D	C	A	I
1	2	8	9	3	4	6	7	5

Similarly

1	2	3	4	5	6	7	8	9
P	S	Y	C	H	O	T	I	C

Coded as

P	S	I	C	Y	C	O	T	H
1	2	8	9	3	4	6	7	5

34. (a)

4	2	9	7	5	3
↓	↓	↓	↓	↓	↓
Z	Q	M	D	E	J

35. (d)

P	A	I	N	T		E	X	C	E	L		A	C	C	E	P	T
↓	↓	↓	↓	↓		↓	↓	↓	↓	↓		↓	↓	↓	↓	↓	↓
7	4	1	2	8		9	3	5	9	6		4	5	5	9	7	8

36. (b)

D	E	L	H	I
↓	↓	↓	↓	↓
7	3	5	4	1

C	A	L	C	U	T	T	A
↓	↓	↓	↓	↓	↓	↓	↓
8	2	5	8	9	6	6	2

Therefore,

C	A	L	I	C	U	T
↓	↓	↓	↓	↓	↓	↓
8	2	5	1	8	9	6

37. (b)

J	U	N	E
↓	↓	↓	↓
P	Q	R	S

A	U	G	U	S	T
↓	↓	↓	↓	↓	↓
W	Q	F	Q	M	N

Therefore,

G U E S T
↓ ↓ ↓ ↓ ↓
F Q S M N

38. (b) C ⇒ 02, 11, 20, 31, 43
A ⇒ 00, 14, 23, 34, 42
G ⇒ 56, 65, 77, 87, 97
E ⇒ 04, 13, 24, 33, 40

Option	C	A	G	E
(1)	~~95~~	~~82~~	~~31~~	~~14~~
(2)	20	00	65	40
(3)	~~14~~	~~20~~	~~41~~	~~86~~
(4)	~~00~~	~~24~~	~~41~~	~~95~~

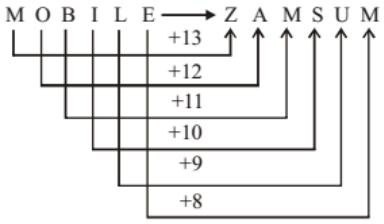
39. (c) G ⇒ 04, 10, 22, 30, 43
O ⇒ 58, 65, 76, 86, 99
D ⇒ 01, 11, 24, 33, 40

Option	G	O	D
(1)	10	~~11~~	~~65~~
(2)	~~95~~	~~79~~	~~12~~
(3)	30	65	40
(4)	~~00~~	~~16~~	~~75~~

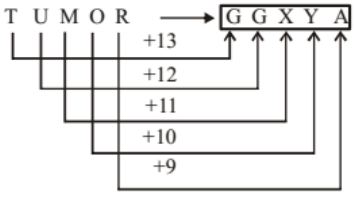
40. (c) Here,

[ ] ⌒ ⌣ (
↓ ↓ ↓ ↓ ↓
4 5 0 9 6

41. (c) As,

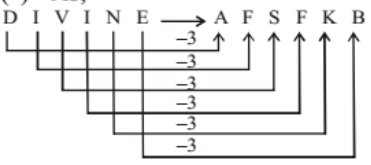


Similarly,

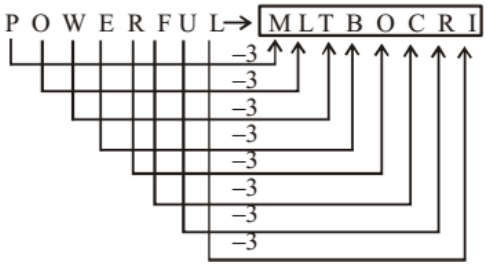


42. (a) By matching code
44, 62, 65, 51 Letters Resembles to CALM in the MATRIX.

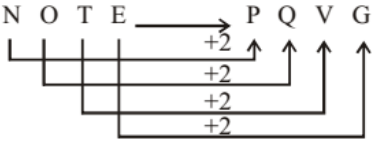
43. (*) As,



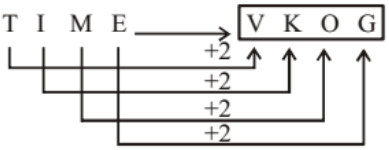
Similarly



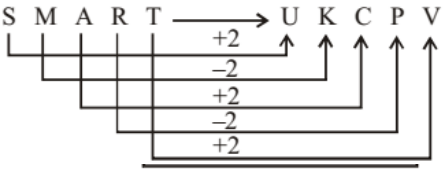
44. (b) As,



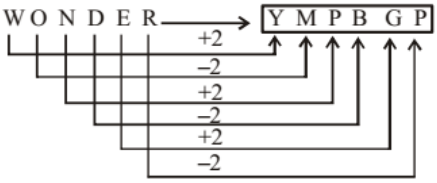
Similarly



45. (b) As,



Similarly



46. (c) C ⇒ 02, 11, 23, 32, 40
A ⇒ 00, 13, 21, 33, 42
R ⇒ 57, 68, 77, 88, 99
D ⇒ 03, 10, 22, 30, 41

Option	C	A	R	D
(a)	32	00	~~56~~	10
(b)	40	21	68	~~44~~
(c)	11	33	57	22
(d)	02	42	77	~~20~~

47. (b) L ⇒ 12 × 2 = 24
A ⇒ 01 × 2 = 02
D ⇒ 04 × 2 = 08
Y ⇒ 25 × 2 = 50
Total = 84

48. (b) L ⇒ 12 + 8 = 20
E ⇒ 5 + 8 = 13
A ⇒ 1 + 8 = 9
D ⇒ 4 + 8 = 12

E ⇒ 5 + 8 = 13
R ⇒ 18 + 8 = 26
Therefore,
L ⇒ 12 + 8 = 20
I ⇒ 9 + 8 = 17
G ⇒ 7 + 8 = 15
H ⇒ 8 + 8 = 16
T ⇒ 20 + 8 = 28

49. (b) B ⇒ 00, 12, 24, 31, 43
E ⇒ 03, 10, 22, 34, 41
S ⇒ 58, 65, 77, 89, 96
T ⇒ 59, 66, 78, 85, 97

50. (a) S N A K E
↓ ↓ ↓ ↓ ↓
37 + 27 + 1 + 21 + 9 = 95

51. (c) D F I N H J M O
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
W U R M S Q N L

52. (b) R U M O U R
−1 ↓ −2 ↓ −3 ↓ −4 ↓ −5 ↓ −6 ↓
Q S J K P L

∴ H E R M I T
−1 ↓ −2 ↓ −3 ↓ −4 ↓ −5 ↓ −6 ↓
G C O I D N

53. (b) C = 00, 12, 24, 33, 41
H = 55, 67, 79, 88, 96
I = 58, 65, 77, 86, 99
L = 57, 69, 76, 85, 98
D = 01, 13, 20, 34, 42
∴ CHILD = 12, 79, 99, 57, 01

54. (c) L ⇒ 12; 12 × 2 = 24
O ⇒ 15; 15 × 2 = 30
N ⇒ 14; 14 × 2 = 28
D ⇒ 04; 04 × 2 = 08
O ⇒ 15; 15 × 2 = 30
N ⇒ 14; 14 × 2 = 28
Therefore,
F ⇒ 06; 06 × 2 = 12
R ⇒ 18; 18 × 2 = 36
A ⇒ 01; 01 × 2 = 02
N ⇒ 14; 14 × 2 = 28
C ⇒ 03; 03 × 2 = 06
E ⇒ 05; 05 × 2 = 10

55. (b) A ⇒ 1 × 2 − 1 = 1
B ⇒ 2 × 2 − 1 = 3
Therefore,
H ⇒ 8 × 2 − 1 = 15
O ⇒ 15 × 2 − 1 = 29
T ⇒ 20 × 2 − 1 = 39
E ⇒ 5 × 2 − 1 = 09

$L \Rightarrow 12 \times 2 - 1 = \frac{23}{115}$

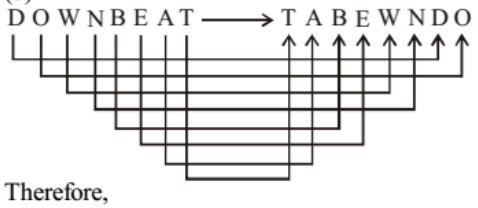
Total Value = 115

56. (a) The letters have been written in the reverse order.
MAARK ⇒ KRAAM
Therefore,
PASSI ⇒ I S SAP

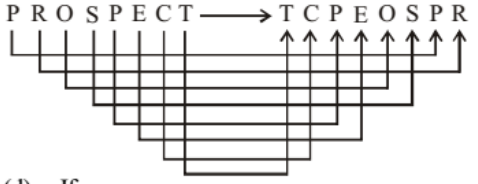
57. (d) P ⇒ 15, 43;
L ⇒ 36, 65;
A ⇒ 42, 46, 62 :
Y ⇒ 45

Option	P	L	A	Y
(a)	43	36	42	~~23~~
(b)	43	~~32~~	~~33~~	~~33~~
(c)	15	~~12~~	42	45
(d)	43	65	62	45

58. (b)



Therefore,



59. (d) If

S E N S A T I O N A L
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Code as 1 2 3 1 4 5 6 7 3 4 8

Then,

S T A T I O N
↓ ↓ ↓ ↓ ↓ ↓ ↓
Code as 1 5 4 5 6 7 3

60. (a) If,

M I L I T A R Y
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Coded as 1 2 3 2 4 5 6 7

Then,

L I M I T
↓ ↓ ↓ ↓ ↓
Coded as 3 2 1 2 4

61. (b) L P P H G L D W H
↓−3 ↓−3 ↓−3 ↓−3 ↓−3 ↓−3 ↓−3 ↓−3 ↓−3
I M M E D I A T E

Similarly,

G R P D L Q
↓−3 ↓−3 ↓−3 ↓−3 ↓−3 ↓−3
D O M A I N

62. (a) Coded as

S C H O O L
+1 −1 +1 −1 +1 −1
T B I N P K

Similarly,

T E A C H E R
+1 −1 +1 −1 +1 −1 +1
Coded as U D B B I D S

63. (c) 64. (a) 65. (c) 66. (d) 67. (d)

68. (b) P A L E R T H
2 1 3 4 5 9 0
The code for PEARL is 24153

69. (d) Reversing the order PRINCIPAL → LAPICNIRP

Similarly

Reversing the order ADOLESCENCE → ECNECSELO DA

70. (c)

71. (a) Reverse order of MANAGER = REGANAM
Reverse order of ASSISTANT = TNATSISSA

72. (c)

73. (a)

1 2 3 4 5 6 7 8 9 10 → 9 10 5 6 1 2 3 4 7 8
D E P U T A T I O N → O N T A D E P U T I

Similarly,

1 2 3 4 5 6 7 8 9 10 → 9 10 5 6 1 2 3 4 7 8
D E R I V A T I O N → O N V A D E R I T I

74. (c) As,

M A D R A S and T E N A N T
5 1 7 9 1 6 4 3 2 1 2 4

So, R M A T S N
9 5 1 4 6 2

75. (b) 76. (c)

77. (a) 5 8 6 3 7.

78. (c) C←A←S U←A←L
S A C L A U
Similarly, M←A←T R←I←C
T A M C I R

79. (a) Letter → S R A M T E
code → H @ ∇ # $ %
MASTER = # ∇ H $ % @

80. (d)

81. (d) As,

F I F T Y C A R
Coded as → C A C T Y P O L

T A R I F F
Coded as T O L A C C

82. (d) G O O D N E S S
+1 −1 +1 −1 +1 −1 +1 −1
H N P C O D T R
Similarly,
G R E A T N E S S
+1 −1 +1 −1 +1 −1 +1 −1 +1
H Q F Z U M F R T

83. (b) L A N E
31 87 32 97

84. (b) A I R S
43 55 86 95

85. (d) L I S T E N
5 9 3 4 1 7
So, code for word SILENT is 395174

86. (d) If we read Matrix I & II carefully, alphabets in the word BRIDE can be found in this pattern.

B R I D E
55 21 57 86 22

87. (b) F A D E
- - - -
3 8 5 4

G A G E
- - - -
So,
2 8 2 4

88. (d) SUNDAY
No. of letters × 3 = 6 × 3 = 18
MONSOON
No. of letters × 3 = 7 × 3 = 21
YEAR
No. of letters × 3 = 4 × 3 = 12
So THURSDAY
No. of letters × 3 = 8 × 3 = 24

89. (d) From matrix I and matrix II

67 ⟶ R 96 ⟶ O
56 ⟶ A 57 ⟶ D.

90. (a) Only 'S' can be prefixed to the given words.
New words are:
STILL, STABLE, SPILE, STAB, SPRING

91. (c) Coded word: Z B Y X M N Q B
Key : s t r a i g h t

92. (d) M O U S E
+3 +3 +0 −2 −2
Coded as: P R U Q C
Similarly,
S H I F T
+3 +3 +0 −2 −2
Coded as: V K I D R

93. (a) 2 (5) △3 ⇒ books are (old)

(5) 4 6 ⇒ man is (old)

△3 7 8 ⇒ buy good books

Codes are :
5 ⇒ old 4 ⇒ man or is
8 ⇒ buy or good
3 ⇒ books 6 ⇒ man or is
2 ⇒ are 7 ⇒ buy or good
2 stands for "are" in that code.

94. (a)

P	E	A	R	L
↓	↓	↓	↓	↓
00	55	22	11	96

95. (c)

A	P	P	L	E
+4 ↓	+4 ↓	+4 ↓	+4 ↓	+4 ↓
E	T	T	P	I

Similarly,

D	E	L	H	I
+4 ↓	+4 ↓	+4 ↓	+4 ↓	+4 ↓
H	I	P	L	M

96. (c) 'S' can be deleted from the body of the following words to form entirely new words.
New words are :
HOT, POT, COT, LOT, TOP

97. (d) C U S T O M ⟷ U C T S M O
Every two letters get interchanged their position.
Therefore,
P A R E N T ⟷ A P E R T N

98. (c) The color of sky is blue. But blue is called sky. Hence, option (c) is correct choice.

99. (c)

E	A	G	L	E
↓	↓	↓	↓	↓
99	01	44	96	77

100. (b) Code 58, 21, 85, 75 will resemble R E S T when matched from given two Matrices.

101. (a)

23	26	2	
W	Z	B	← Forword
D	A	Y	← Reverse
4	1	25	

Similarly

14	15	13	4	1	25
M	O	N	D	A	Y
13	12	14	23	26	2
N	L	M	W	Z	B

102. (b) B → 58, 69, 75, 88, 99
O → 03, 11, 22, 30, 44
T → 59, 68, 76, 87, 95
H → 57, 65, 79, 86, 98

103. (b) Each Alphabet of QBXZEBO is 3 less than TEACHER
∴ STUDENT will be written as PQRABKQ

104. (d) 99, 12, 86, 22 are the codes matched from two Matrices, for GUNS.

105. (d) D A S H ⇒ 4 + 1 + 19 + 8 = 32
D A N C E ⇒ 4 + 1 + 14 + 3 + 5 = 27

106. (a)

107. (d)

	−3 ↓		−5 ↓	
O	M	J	F	A
	−2 ↑		−4 ↑	

In options (d), number of letters skipped in between adjacent letters of the series starting from behind increased by one.

108. (c) Originally the colour of turmeric is yellow, here, yellow means red. So the colour of turmeric is red.

109. (d) Coding has been started from number 8.

A	B	C	D	E	F
(8)	(9)	(10)	(11)	(12)	(13)

M	A	C	H	I	N	E
↓	↓	↓	↓	↓	↓	↓
20	8	10	15	16	21	12

Codes as

110. (a) 'T' can be represented by 64.
'A' can be represented by 00.
'L' can be represented by 31.
'E' can be represented by 32
Set for the word ' TALE'

T	A	L	E
↓	↓	↓	↓
64	00	31	32

111. (c) As,

G	A	M	B	L	E
−1 ↓	+1 ↓	−1 ↓	+1 ↓	−1 ↓	+1 ↓
F	B	L	C	K	F

Similarly,

F	L	O	W	E	R
−1 ↓	+1 ↓	−1 ↓	+1 ↓	−1 ↓	+1 ↓
E	M	N	X	D	S

112. (a)

113. (a)

114. (d) As,

B	H	A	S	H	A		B	R	A	I	N
↓	↓	↓	↓	↓	↓	and	↓	↓	↓	↓	↓
1	5	4	7	5	4		1	3	4	0	8

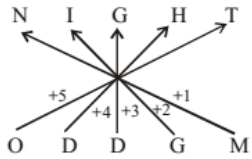
So,

A	N	I	N	S	A
↓	↓	↓	↓	↓	↓
4	8	0	8	7	4

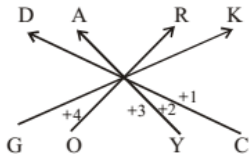
115. (a) As,
BAD = 2 + 1 + 4 ⇒ 7
SAP = 19 + 1 + 16 = 36 ⇒ 3 + 6 = 9
Similarly,
BAN = 2 + 1 + 14 = 17 ⇒ 1 + 7 = 8

116. (d) By matching code :
23, 32, 24, 55, 66 letters resemble to BLAND in the MATRIX.

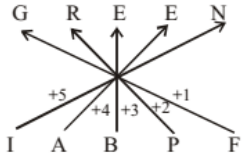
117. (a) As,



and



Similarly,



118. (b) 14, 31, 40, 95, 59 are the codes matches from two Matrices for STEAL.

119. (a) As,
TIRED = 20 + 9 + 18 + 5 + 4 = 56
BRAIN = 2 + 18 + 1 + 9 + 14 = 44
Similarly,
LAZY = 12 + 1 + 26 + 25 = 64.

120. (b) Code 11, 04, 86, 59 will resemble SCAM when matched from given two matrices.

121. (d) Who (are) you = 4 3 (2)
(they) is you = 4 8 (5)
(they) (are) [dangerous] = (2) [9] (5)

122. (a)

123. (d) As,

R	I	V	E	R		R	E	D
↓	↓	↓	↓	↓		↓	↓	↓
1	2	3	5	1		1	5	6

Similarly,

D	R	I	V	E	R
↓	↓	↓	↓	↓	↓
6	1	2	3	5	1

124. (c)

E	A	G	E	R
↓	↓	↓	↓	↓
02	10	65	11	85

125. (d) As,

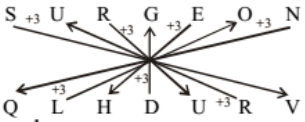
L	O	N	D	O	N
+1 ↓	+1 ↓	+1 ↓	+1 ↓	+1 ↓	+1 ↓
M	P	O	E	P	O

Similarly,

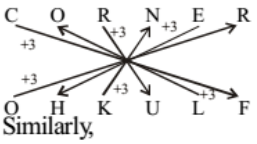
D	E	L	H	I
+1 ↓	+1 ↓	+1 ↓	+1 ↓	+1 ↓
E	F	M	I	J

126. (c) According to question,
'P' can be represented by '56'.
'I' can be represented by '76'.
'C' can be represented by '34'.
'K' can be represented by '55'.

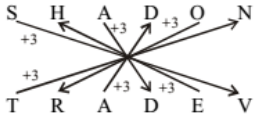
127. (b) As,



and



Similarly,



128. (b) ∵ A = 1, B = 2,..... Z = 26
As,
SUN ⇒ (19 + 21 + 14) = 54
PUT ⇒ (16 + 21 + 20) = 57
Similarly,
CAT ⇒ (3 + 1 + 20) = 24

129. (c) 'C' can be represented by 41.
'H' can be represented by 14.
'E' can be represented by 76.
'A' can be represented by 99.
'T' can be represented by 79.

130. (d) 'P' can be represented by 04
'R' can be represented by 41
'I' can be represented by 69
'C' can be represented by 75
'E' can be represented by 57

131. (c)

132. (a) As,

P	O	T	T	E	R
−1 ↓	−1 ↓	−1 ↓	+1 ↓	+1 ↓	+1 ↓
O	N	S	U	F	S

Similarly,

W	A	L	K	E	R
−1 ↓	−1 ↓	−1 ↓	+1 ↓	+1 ↓	+1 ↓
V	Z	K	L	F	S

133. (d)

T	O	M	B	,	T	A	C	K	L	E
↓	↓	↓	↓		↓	↓	↓	↓	↓	↓
M	O	V	E		M	F	D	G	P	R

Therefore,

T	A	B	L	E	T
↓	↓	↓	↓	↓	↓
M	F	E	P	R	M

134. (d)

135. (a)

E	A	G	E	R		C	A	D	E	T
5	1	7	5	9	Similarly	3	1	4	5	7
alphabet positions			in	reverse		alphabet positions			in	reverse

136. (d) China currency is 'Yuan' like that Japan currency is 'Yen'.

137. (b)

138. (a)

Alphabet position in english alphabets

Similarly,

Alphabet position in english alphabets

139. (d) Here the pattern of the coding is the sum of letters position in english alphalbets, multiplied by the number of letters in that word.

C A T

3 1 20 $\longrightarrow (3 + 1 + 20) \times 3 = 72$

and,

T R O T

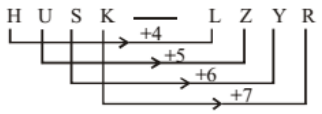
20 18 15 20 $\longrightarrow (20 + 18 + 15 + 20) \times 4 = 292$

Similarly,

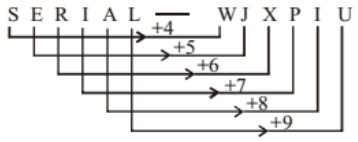
S T A G

19 20 1 7 $\longrightarrow (19 + 20 + 1 + 7) \times 4 = 188$

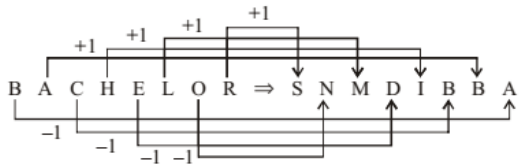
140. (a)



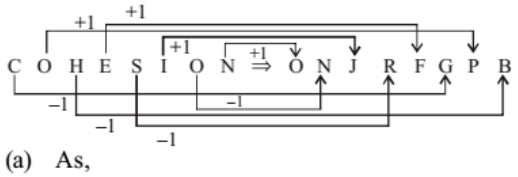
Similarly,



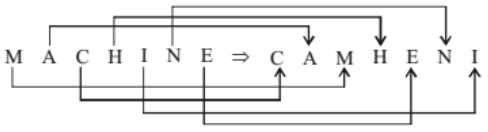
141. (b) As,



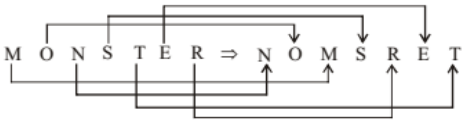
Similarly.



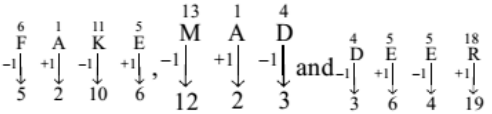
142. (a) As,



Similarly,



143. (a) The pattern is :



144. (d)

C A B $\Rightarrow (3 + 1 + 2) \times 2 + 1 = (6 \times 2) + 1 = 13$

3 1 2

F E E D $\Rightarrow (6 + 5 + 5 + 4) \times 2 + 1 = (20 \times 2) + 1 = 41$

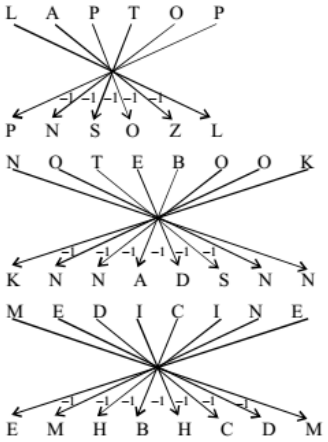
6 5 5 4

J A D E $\Rightarrow (10 + 1 + 4 + 5) \times 2 + 1 = (20 \times 2) + 1 = 41$

10 1 4 5

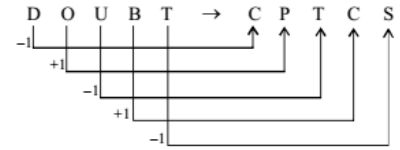
145. (c) We get salt from sea and sea is called water. So, option (c) is correct answer.

146. (a) As,

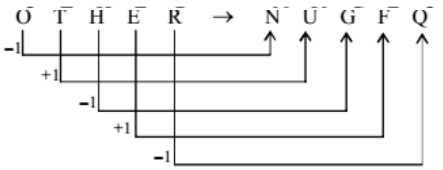


So, required answer = ED

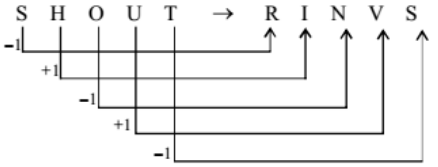
147. (d) As,



and



Similarly,



148. (c) As,

W	A	R	D	R	O	B	E
↓+2	↓+23	↓+4	↓+21	↓+6	↓−7	↓+8	↓+17
Y	X	V	Y	X	H	J	V

Similarly,

A	C	C	U	R	A	T	E
↓+2	↓+23	↓+4	↓+21	↓+6	↓−7	↓+8	↓+17
C	Z	G	P	X	T	B	V

149. (d) The pattern is :

As,

H	A	R	V	E	S	T
(8)	(1)	(18)	(22)	(5)	(19)	(20)
↓+2	↓+2	↓+2	↓+2	↓+2	↓+2	↓+2
10	3	20	24	7	21	22

Similarly,

F	A	R	M	E	R
(6)	(1)	(18)	(13)	(5)	(18)
↓+2	↓+2	↓+2	↓+2	↓+2	↓+2
8	3	20	15	7	20

150. (d) As,

R	I	G	I	D	S
↓+2	↓−3	↓+2	↓−3	↓+2	↓−3
T	F	I	F	F	P

Similarly,

C	O	R	N	E	T
↓+2	↓−3	↓+2	↓−3	↓+2	↓−3
E	L	T	K	G	Q

151. (a) As, R O K → 18 + 15 + 11 = 44
(18) (15) (11)

And, M I G → 13 + 9 + 7 = 29
(13) (9) (7)

Similarly, T A L → 20 + 1 + 12 = **33**
(20) (1) (12)

152. (b) The coding of to words is as —

Total number of letter in the word is the code of word.

As, P I N G → 4

M E T A L → 5

Similarly, S T E A D Y S → 7

153. (d) As,

G	R	O	U	N	D
↓−5	↓−5	↓−5	↓−5	↓−5	↓−5
B	M	J	P	I	Y

Similarly,

F	R	E	A	K
↓−5	↓−5	↓−5	↓−5	↓−5
A	M	Z	V	F

154. (c) As,

L O C K E R
↕ ↕ ↕ ↕ ↕ ↕
O L X P V I

(Reverse letter of the above letters according to the english alphabetical series)

Similarly,

G L O B A L
↕ ↕ ↕ ↕ ↕ ↕
T O L Y Z O

155. (c) As, N I B = 112 & C O B = 122

As $\underset{13}{N}\ \underset{18}{I}\ \underset{25}{B} \Rightarrow 13\times2+18\times2+25\times2=112$

(Reverse position of the letters) × 2

$\underset{24}{C}\ \underset{12}{O}\ \underset{25}{B} \Rightarrow 24\times2+12\times2+25\times2=122$

(Reverse position of the letters) × 2

Similarly,

$\underset{17}{J}\ \underset{22}{E}\ \underset{7}{T} \Rightarrow 17\times2+22\times2+7\times2=92$

156. (a) The code is cube of letters present in the word

as, C R O W → 4 Letters, $(4)^3 = 64$

E A G L E → 5 Letters, $(5)^3 = 125$

Similarly,

P A R R O T → 6 Letters, $(6)^3 = 216$

157. (d) As,

C	O	U	N	T	R	Y
↓+3	↓−3	↓+3	↓−3	↓+3	↓−3	↓+3
F	L	X	K	W	O	B

After reversing, BOWKXLF

Similarly,

D	E	S	P	A	I	R
↓+3	↓−3	↓+3	↓−3	↓+3	↓−3	↓+3
G	B	V	M	D	F	U

After reversing, UFDMVBG

158. (d) Code for given words,

FROZEN

= (6 + 18 + 15 + 26 + 5 + 14)
× Number of letters in word

= 84 × 6 = 504

And, TONSILS
$= (20 + 15 + 14 + 19 + 9 + 12 + 19) \times 7$
$= 108 \times 7 = 756$
Similarly, MARINE
$= (13 + 1 + 18 + 9 + 14 + 5) \times 6$
$= 60 \times 6 = 360$

159. (d) 'TOUCH' arranges as descending order of letters in english alphabet as 'UTOHC'.
Similarly, 'PLANT' will arrange as 'TPNLA'.

160. (b) As,

M	O	T	H	E	R
−1↓	−1↓	−1↓	−1↓	−1↓	−1↓
L	N	S	G	D	Q

After reversing → Q D G S N L
Similarly,

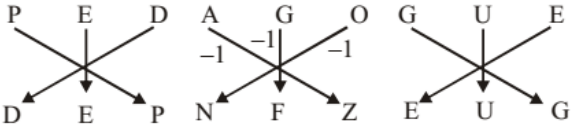
S	H	E	A	T	H
−1↓	−1↓	−1↓	−1↓	−1↓	−1↓
R	G	D	Z	S	G

After reversing → G S Z D G R

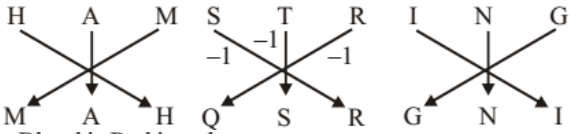
161. (d) FRIEND:
$(6 + 18 + 9 + 5 + 14 + 4) + (6 \times 5) = 86$
SICK:
$(19 + 9 + 3 + 11) + (4 \times 5) = 62$
Similarly,
FRECKLE:
$(6 + 18 + 5 + 3 + 11 + 12 + 5) + (7 \times 5) = 95$

162. (b) MARKET = (No. of Letters in the word) × 2 + 3
$= 6 \times 2 + 3 = 15$
SUBMARINE $= 9 \times 2 + 3 = 21$
Similarly,
CONVENTIONAL $= 12 \times 2 + 3 = 27$

163. (c) As,



Similarly,



164. (c) Blood is Red in colour
∴ Red is called Tomato

165. (b)

Y	O	U	N	G	E	R
+2↓	+2↓	+2↓	↓	−2↓	−2↓	−2↓
A	Q	W	N	E	C	P

Similarly

N	U	M	B	E	R	S
+2↓	+2↓	+2↓	↓	−2↓	−2↓	−2↓
P	W	O	B	C	P	Q

166. (c) C U R S O R
$(3 + 21 + 18 + 19 + 15 + 18) \times 6 = 564$
Similarly,
F R E E
$(6 + 18 + 5 + 5) \times 4 = 34 \times 4 = 136$

167. (d) As,

T	O	R	C	H
+1↓	−1↓	+1↓	+1↓	+1↓
U	N	P	S	D

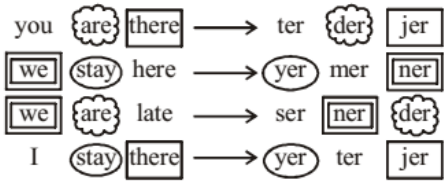
B	E	S	T
+1↓	−1↓	+1↓	+1↓
C	D	F	T

Similarly,

M	A	R	K	S
+1↓	−1↓	+1↓	+1↓	+1↓
N	Z	B	S	L

168. (c) As,
DENT
→ 4 + 5 + 14 + 20 = 43
→ 43 + 8 = 51
And, LOAD
→ 12 + 15 + 1 + 4 = 32
→ 32 + 8 = 40
Similarly, COST
→ 3 + 15 + 19 + 20 = 57
→ 57 + 8 = 65

169. (c)



Hence, code for 'you stay late' is 'ter yer ser'.

170. (c)

P	L	A	C	A	R	D
+4↓	+4↓	+4↓	−4↓	+4↓	+4↓	+4↓
T	P	E	Y	E	V	H

M	O	N	S	T	E	R
+4↓	+4↓	+4↓	−4↓	+4↓	+4↓	+4↓
Q	S	R	O	X	I	V

171. (a) U represents the number 4.