The Winners Institute

Reasoning

Matrix

Practice Sheet

Basic to High Level with solution

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SBI PO & LIC AAO
(2013- Batch) Selected

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Matrix - Practice Sheet

निर्देश: (1-5): एक शब्द का उल्लेख केवल संख्याओं के समूह द्वारा किया जाता है, जैसा कि किसी एक विकल्प में दिखाया गया है। विकल्पों में संख्या समूहों का उल्लेख अक्षरों के दो वर्गों द्वारा किया गया है जैसा कि नीचे दिए गए आव्यूह में दिखाया गया है। आव्यूह I में पंक्तियों और स्तंभों की संख्या 0 से 4 है और आव्यूह II में 5 से 9 है। एक अक्षर को पहले पंक्ति की संख्या और फिर स्तंभ की संख्या का उपयोग करके परिभाषित किया जा सकता है। । जैसे 'A' को 00, 12, 23 आदि से और 'P' को 58, 69, 75 आदि से परिभाषित किया जा सकता है। दिए गए शब्द के लिए संख्याओं का कोड/समूह खोजें।

Direction: (1-5): A word is mentioned only by a group of numbers, as shown in one of the options. The number groups in the options are mentioned by two classes of letters as shown in Matrices given below. The number of rows & columns in Matrix I are from 0- 4 & that of in Matrix II are 5-9. A letter can be defined using the number of row & then the no. column. e.g., 'A' can be defined by 00, 12, 23 et(c) & 'P' by 58, 69, 75 et(c) Find the code/group of numbers for the given wor(d)

Matrix -I

	0	1	2	3	4
0	A	R	S	N	C
1	N	C	A	R	S
2	S	N	C	A	R
3	R	S	N	C	A
4	C	A	R	S	N

Matrix - II

	5	6	7	8	9
5	O	E	L	P	T
6	T	O	E	L	P
7	P	T	O	E	L
8	L	P	T	O	E
9	E	L	P	T	O

1. **PAST**
(a) 75, 21, 14, 65 (b) 86, 12, 31, 76
(c) 58, 41, 12, 67 (d) 88, 77, 41, 67

2. **RATE**
(a) 13, 12, 98, 67 (b) 42, 23, 56, 76
(c) 30, 14, 95, 89 (d) 24, 43, 89, 95

3. **POET**
(a) 69, 88, 67, 65 (b) 75, 55, 65, 67
(c) 77, 88, 98, 89 (d) 21, 67, 76, 78

4. **NEST**
(a) 32, 56, 20, 89 (b) 10, 65, 41, 76
(c) 32, 76, 34, 98 (d) 21, 67, 14, 59

5. **PEST**
(a) 97, 89, 34, 59 (b) 58, 67, 43, 98
(c) 57, 59, 31, 98 (d) 68, 95, 31, 76

6. **FIRE.**
Matrix - I

	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

Matrix - II

	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) 21, 22, 88, 33 (b) 14, 10, 69, 14
(c) 33, 34, 76, 22 (d) 02, 03, 57, 01

7. **BUSH.**
Matrix – I

	0	1	2	3	4
0	M	L	F	H	B
1	H	B	M	L	F
2	L	F	H	B	M
3	B	M	L	F	H
4	F	H	B	M	L

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Matrix – II

	5	6	7	8	9
5	L	K	S	U	N
6	U	N	I	K	S
7	K	S	U	N	I
8	N	I	K	S	U
9	S	U	N	I	K

(a) 22, 77, 57, 23 (b) 23, 77, 57, 22
(c) 23, 77, 56, 22 (d) 23, 77, 57, 21

8. SLEEP.

Matrix – I

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

Matrix – II

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

(a) 44, 11, 40, 31, 41 (b) 30, 20, 31, 30, 41
(c) 30, 34, 40, 22, 44 (d) 44, 43, 31, 22, 95

9. DEMO.

Matrix – I

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

Matrix – II

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

(a) 24, 32, 57, 65 (b) 11, 21, 69, 13
(c) 24, 32, 78, 03 (d) 42, 32, 78, 55

10. NEST.

Matrix - I

	0	1	2	3	4
0	G	V	E	A	C
1	R	O	N	G	S
2	M	N	E	S	I
3	O	T	I	T	A
4	N	S	N	E	P

Matrix-II

	5	6	7	8	9
5	R	E	O	N	G
6	N	P	V	E	S
7	M	T	I	O	N
8	E	A	I	C	O
9	N	T	A	R	S

(a) 21, 85, 69, 31 (b) 12, 56, 99, 32
(c) 65, 68, 23, 87 (d) 58, 43, 13, 33

11. MEN.

Matrix – I

	0	1	2	3	4
0	E	F	G	H	I
1	H	I	E	F	G
2	F	G	H	I	E
3	I	E	F	G	H
4	G	H	I	E	F

Matrix – II

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

(a) 56, 30, 69 (b) 55, 31, 95
(c) 75, 00, 95 (d) 76, 00, 88

Matrix - Practice Sheet

12. **DOOR.**

Matrix - I

	0	1	2	3	4
0	F	O	M	S	R
1	S	R	F	O	M
2	O	M	S	R	F
3	R	F	O	M	S
4	M	S	R	F	O

Matrix - II

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

(a) 69, 44, 20, 43 **(b) 76, 01, 44, 24**
(c) 95, 20, 44, 12 **(d) 57, 13, 32, 23**

13. **"TRAMPLE".**

Matrix - I

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

Matrix – II

	5	6	7	8
5	M	T	P	E
6	E	M	T	P
7	P	E	M	T
8	T	P	E	M

(a) 56, 14, 12, 66, 68, 23, 78
(b) 67, 22, 24, 55, 56, 33, 76
(c) 78, 22, 12, 55, 68, 32, 58
(d) 85, 31, 41, 56, 68, 32, 76

14. **JENU.**

Matrix - I

	6	7	8	9
2	J	N	O	T
3	O	T	J	N
4	T	J	N	O
5	N	O	T	J

Matrix - II

	2	3	4	5
6	E	U	A	I
7	A	I	E	U
8	U	E	I	A
9	I	A	U	E

(a) 47, 83, 48, 95 **(b) 88, 62, 47, 94**
(c) 59, 73, 39, 82 **(d) 47, 74, 39, 94**

15. **ROSE**

Matrix – I

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

Matrix – II

	5	6	7	8	9
5	R	A	D	I	O
6	A	D	I	O	R
7	D	I	O	R	A
8	I	O	R	A	D
9	Q	R	A	D	I

(a) 55, 95, 44, 42 **(b) 96, 86, 44, 40**
(c) 69, 86, 21, 43 **(d) 87, 95, 44, 43**

16. **MIST.**

Matrix – I

	0	1	2	3	4
0	F	O	M	S	R
1	S	R	F	O	M
2	O	M	S	R	F
3	R	F	O	M	S
4	M	S	R	F	O

Matrix - Practice Sheet

Matrix – II

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

(a) 14, 89, 22, 88 (b) 40, 58, 03, 56
(c) 02, 58, 03, 86 (d) 40, 77, 34, 98

17. 'JUDGE'.

Matrix - I

	0	1	2	3	4
0	J	U	G	R	Z
1	G	R	Z	J	U
2	Z	J	U	G	R
3	U	G	R	Z	J
4	R	Z	J	U	G

Matrix - II

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

(a) 13, 31, 96, 10, 88 (b) 00, 30, 56, 31, 99
(c) 42, 43, 65, 21, 55 (d) 34, 01, 89, 23, 66

18. 'OBJECT'.

Matrix - I

	0	1	2	3	4
0	P	J	C	T	Z
1	C	T	Z	P	J
2	Z	P	J	C	T
3	J	C	T	Z	P
4	T	Z	P	J	C

Matrix - II

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

(a) 67, 78, 00, 66, 31, 11
(b) 75, 96, 22, 55, 44, 03
(c) 86, 66, 14, 77, 10, 32
(d) 98, 57, 43, 86, 30, 40

19. 'BEST'.

Matrix - I

	0	1	2	3	4
0	P	A	G	T	S
1	G	T	S	P	A
2	S	P	A	G	T
3	A	G	T	S	P
4	T	S	P	A	G

Matrix - II

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

(a) 78, 99, 04, 10 (b) 57, 75, 41, 03
(c) 96, 88, 12, 40 (d) 89, 55, 31, 32

20. 'POWER'.

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	W	L	N	O
6	L	E	O	W	N
7	O	N	E	L	W
8	N	O	W	E	L
9	W	L	N	O	E

(a) 13, 67, 56, 99, 32 (b) 42, 86, 76, 55, 40
(c) 21, 98, 87, 66, 10 (d) 34, 75, 68, 75, 24

21. 'SCALE'.

Matrix - I

	0	1	2	3	4
0	P	A	C	R	Z
1	C	S	Z	P	A
2	Z	P	S	C	S
3	A	C	R	Z	P
4	S	Z	P	A	C

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) 11, 31, 43, 85, 55 (b) 22, 44, 30, 65, 99
(c) 40, 02, 03, 96, 77 (d) 24, 13, 14, 57, 66

22. 'AMPLE'.

	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

	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) 01, 56, 34, 78, 89 (b) 14, 68, 21, 97, 99
(c) 22, 95, 00, 57, 88 (d) 31, 86, 33, 69, 77

23. 'ORRAN'.

	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

	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) 86, 40, 23, 14, 96 (b) 98, 03, 44, 22, 58
(c) 75, 03, 11, 22, 76 (d) 67, 22, 31, 58, 22

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24. **LANE.**

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

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

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

25. **A I R S**

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

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

26. **'CORK'**

Matrix - I

	0	1	2	3	4
0	L	E	O	S	C
1	S	C	L	E	O
2	E	O	S	C	L
3	C	L	E	O	S
4	O	S	C	L	E

Matrix – II

	5	6	7	8	9
5	R	K	U	N	T
6	N	T	R	K	U
7	K	U	N	T	R
8	T	R	K	U	N
9	U	N	T	R	K

(a) 42, 21, 67, 58 (b) 23, 33, 86, 85
(c) 11, 40, 55, 75 (d) 30, 14, 97, 56

27. **'BANK'.**

Matrix - I

	0	1	2	3	4
0	B	N	G	L	D
1	G	L	D	B	N
2	D	B	N	G	L
3	N	G	L	D	B
4	L	D	B	N	G

Matrix – II

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

(a) 42,69,14,98 (b) 00,55,33,57
(c) 21,67,30,86 (d) 42,78,43,58

28. **'LION'.**

Matrix - I

	0	1	2	3	4
0	B	N	G	L	D
1	G	L	D	B	N
2	D	B	N	G	L
3	N	G	L	D	B
4	L	D	B	N	G

Matrix – II

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

(a) 03, 55, 76, 33 (b) 11, 65, 77, 22
(c) 23, 79, 85, 43 (d) 11, 88, 99, 22

29. **'ROSE'**

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) 86, 67, 33, 44 (b) 88, 76, 31, 32
(c) 95, 75, 02, 32 (d) 57, 87, 32, 33

30. **'RATE'**

MATRIX I

	0	1	2	3	4
0	T	R	A	F	E
1	O	C	M	P	O
2	E	S	R	T	A
3	M	A	N	P	C
4	E	T	F	N	R

MATRIX II

	5	6	7	8	9
5	E	S	A	F	R
6	A	R	O	S	C
7	T	O	E	P	S
8	S	M	T	A	N
9	R	C	T	F	E

(a) 22, 24, 75, 99 (b) 66, 77, 68, 23
(c) 44, 77, 22, 87 (d) 22, 77, 79, 76

31. **'ARTS'.**

Matrix – I

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

Matrix – II

	5	6	7	8	9
5	S	P	E	A	K
6	A	K	S	P	E
7	P	E	A	K	S
8	K	S	P	E	A
9	E	A	K	S	P

(a) 02, 12, 22, 67 (b) 40, 41, 42, 78
(c) 95, 34, 23, 86 (d) 65, 22, 23, 67

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32. 'HEEL'

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	M	H
8	L	I	M	H	K
9	N	H	K	L	I

(a) 67, 21, 14, 98 (b) 75, 88, 65, 01
(c) 68, 65, 60, 10 (d) 68, 65, 50, 01

33. 'BEAT'

MATRIX I

	0	1	2	3	4
0	B	H	A	R	T
1	R	T	B	H	A
2	H	A	R	T	B
3	T	B	H	A	R
4	A	R	T	B	H

MATRIX II

	5	6	7	8	9
5	S	P	E	A	K
6	A	K	S	P	E
7	P	E	A	K	S
8	K	S	P	E	A
9	E	A	K	S	P

(a) 40, 88, 65, 30 (b) 00, 76, 33, 23
(c) 31, 88, 34, 23 (d) 24 57, 58, 41

34. 'FADE'

Matrix – I

	0	1	2	3	4
0	I	E	A	O	U
1	A	O	U	I	E
2	E	I	O	U	A
3	O	U	E	A	I
4	U	A	I	E	O

Matrix–II

	5	6	7	8	9
5	F	D	B	G	H
6	B	G	H	F	D
7	D	F	G	H	B
8	G	H	D	B	F
9	H	B	F	G	D

(a) 76, 02, 75, 32 (b) 68,20,57, 14
(c) 55, 33, 65, 23 (d) 89, 10, 96, 4

35. 'TONE'

MATRIX I

	0	1	2	3	4
0	L	E	O	S	C
1	S	C	L	E	O
2	E	O	S	C	L
3	C	L	E	O	S
4	O	S	C	L	E

MATRIX II

	5	6	7	8	9
5	R	K	U	N	T
6	N	T	R	K	U
7	K	U	N	T	R
8	T	R	K	U	N
9	U	N	T	R	K

(a) 85 , 40 , 58 , 75 (b) 66 , 21 , 77 , 56
(c) 97 , 33 , 65 , 44 (d) 78 , 57 , 89 , 32

36. 'TOLD'

MATRIX I

	0	1	2	3
0	E	T	O	D
1	D	E	D	T
2	T	O	T	E
3	O	D	E	O

MATRIX II

	5	6	7	8
5	L	I	D	T
6	I	L	T	D
7	D	T	L	I
8	T	I	D	L

(a) 67, 30, 55, 13 (b) 76, 02, 13, 55
(c) 76, 33, 55, 31 (d) 85, 02, 23, 31

37. 'GUNS'.

Matrix – I

	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

Matrix–II

	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

38. 'ROAD'.

Matrix – I

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

Matrix–II

	5	6	7	8	9
5	R	O	N	T	U
6	T	U	R	O	N
7	O	N	T	U	R
8	U	R	O	N	T
9	N	T	U	R	O

(a) 67, 87, 23, 43 (b) 86, 75, 24, 33
(c) 79, 99, 41, 42 (d) 86, 56, 23, 33

39. 'LIFE'.

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	K
8	L	I	N	H	K
9	N	H	K	L	I

(a) 56,58,03,02 (b) 57,65,03,02
(c) 66,62,03,02 (d) 57,68,10,02

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Matrix - Practice Sheet

40. 'BALD'.

Matrix – I

	0	1	2	3	4
0	B	T	D	I	F
1	I	D	B	F	T
2	F	B	I	T	D
3	T	I	F	D	B
4	D	F	T	B	I

Matrix–II

	5	6	7	8	9
5	A	L	R	E	K
6	K	A	L	R	E
7	E	K	A	L	R
8	R	E	K	A	L
9	L	R	E	K	A

(a) 12, 99, 65, 24 (b) 21, 88, 95, 24
(c) 43, 55, 67, 04 (d) 34, 77, 76, 42

41. PUSH.

Matrix – I

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

Matrix–II

	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) 10, 66, 45, 03 (b) 30, 11, 54, 10
(c) 10, 45, 66, 75 (d) 01, 54, 66, 57

42. 'CART'.

Matrix I

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

Matrix II

	5	6	7	8	9
5	S	B	K	T	C
6	B	C	T	K	S
7	T	S	C	B	K
8	K	T	S	C	B
9	C	K	B	S	T

(a) 65, 33, 40, 86 (b) 66, 12, 40, 58
(c) 88, 44, 31, 89 (d) 59, 20, 32, 89

43. 'ROST'.

Matrix – I

	0	1	2	3	4
4	K	L	M	N	O
3	L	M	K	O	N
2	N	O	L	M	K
1	M	N	O	K	L
0	O	K	N	L	M

Matrix–II

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

(a) 68, 33, 65, 58 (b) 56, 44, 67, 40
(c) 97, 21, 66, 29 (d) 75, 00, 10, 92

44. 'BOTH'.

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

निर्देश / Direction: (45-49)

Matrix I

	0	1	2	3	4
0	D	O	B	A	I
1	O	B	A	I	D
2	B	A	I	D	O
3	A	I	D	O	B
4	I	D	O	B	A

Matrix II

	5	6	7	8	9
5	W	N	R	M	L
6	N	R	M	L	W
7	R	M	L	W	N
8	M	L	W	N	R
9	L	W	N	R	N

45. BLOW.
(a) 34, 68, 10, 88 (b) 34, 86, 44, 78
(c) 21, 95, 33, 97 (d) 11, 68, 42, 69

46. DRAW.
(a) 14, 89, 12, 78 (b) 23, 57, 30, 68
(c) 41, 66, 23, 55 (d) 32, 75, 44, 76

47. LAM(b)
(a) 02, 88, 75, 03 (b) 95, 30, 80, 20
(c) 68, 21, 58, 34 (d) 86, 21, 67, 12

48. RAIN.
(a) 57, 21, 23, 79 (b) 75, 30, 31, 87
(c) 57, 12, 31, 56 (d) 66, 44, 42, 96

49. BAN(d)
(a) 20, 30, 89, 23 (b) 34, 44, 66, 14
(c) 43, 21, 97, 33 (d) 11, 21, 79, 41

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50. ‘6729’.

MATRIX-I

	a	b	c	d	e
a	9	2	4	8	1
b	4	8	5	1	6
c	3	7	1	6	9
d	1	4	6	2	7
e	2	3	7	4	5

(a) be, bb, ab, ce (b) be, ec, eb, ce
(c) be, ec, ab, ce (d) bd, ec, ab, ce

51. ‘PINK’

MATRIX-I

	0	1	2	3	4
0*	I	P	R	K	U
1*	Z	N	K	Z	R
2*	P	R	I	U	N
3*	H	U	Z	P	D
4*	N	K	T	R	I

(a) 2*0, 4*4, 2*4, 0*3 (b) 2*0, 4*3, 2*4, 0*3
(c) 2*0, 4*4, 2*4, 0*2 (d) 2*0, 4*3, 2*4, 0*2

निर्देश: (52-60): एक शब्द का उल्लेख केवल संख्याओं के समूह द्वारा किया जाता है, जैसा कि किसी एक विकल्प में दिखाया गया है। विकल्पों में संख्या समूहों का उल्लेख अक्षरों के दो वर्गों द्वारा किया गया है जैसा कि नीचे दिए गए आव्यूह में दिखाया गया है। आव्यूह I में पंक्तियों और स्तंभों की संख्या 0 से 4 है और आव्यूह II में 5 से 9 है। एक अक्षर को पहले स्तंभ की संख्या और फिर पंक्ति की संख्या का उपयोग करके परिभाषित किया जा सकता है। । जैसे 'A' को 00, 12, 23 आदि से और 'P' को 58, 69, 75 आदि से परिभाषित किया जा सकता है। दिए गए शब्द के लिए संख्याओं का कोड/समूह खोजें।

Direction: (52-60): A word is mentioned only by a group of numbers, as shown in one of the options. The number groups in the options are mentioned by two classes of letters as shown in Matrices given below. The number of rows & columns in Matrix I are from 0- 4 & that of in Matrix II are 5-9. A letter can be defined using the number of row & then the no. column. e.g., ‘A’ can be defined by 00, 21, 13 et(c) & ‘P’ by 55, 68, 89 et(c) Find the code/group of numbers for the given wor(d)

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

52. ROSE
(a) 86, 67, 33, 44 (b) 95, 75, 02, 32
(c) 59, 57, 20, 23 (d) 88, 76, 31, 32

53. LAKE
(a) 85, 31, 77, 44 (b) 77, 43, 76, 31
(c) 66, 12, 58, 40 (d) 58, 13, 77, 44

54. EAST
(a) 20, 43, 33, 11 (b) 44, 32, 21, 03
(c) 13, 12, 14, 10 (d) 31, 21, 12, 43

55. LEST
(a) 79, 23, 33, 01 (b) 85, 02, 04, 22
(c) 87, 32, 21, 31 (d) 97, 32, 21, 34

56. SOLE
(a) 33, 99, 66, 44 (b) 41, 57, 87, 31
(c) 20, 99, 66, 44 (d) 21, 75, 44, 02

57. KOAH.
(a) 85, 42, 57, 24 (b) 41, 57, 87, 31
(c) 77, 99, 00, 11 (d) 21, 75, 44, 02

58. RPLS.
(a) 66, 89, 79, 04 (b) 66, 98, 97, 40
(c) 20, 99, 66, 44 (d) 76, 88, 79, 12

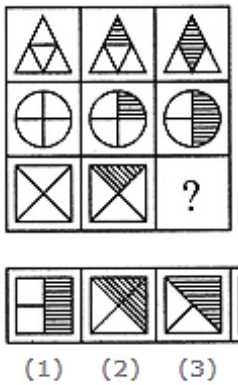
59. ETOP.
(a) 13, 22, 87, 98 (b) 31, 22, 78, 89
(c) 10, 22, 57, 86 (d) 21, 75, 44, 02

60. OKAS.
(a) 75, 65, 24, 40 (b) 41, 57, 87, 31
(c) 56, 77, 41, 42 (d) 57, 56, 42, 04

निर्देश: (61-80) निम्नलिखित में से प्रत्येक प्रश्न में ज्ञात कीजिए कि कौन-सी उत्तर आकृतियाँ (1), (2), (3) और (4) आकृति मैट्रिक्स को पूरा करती हैं?

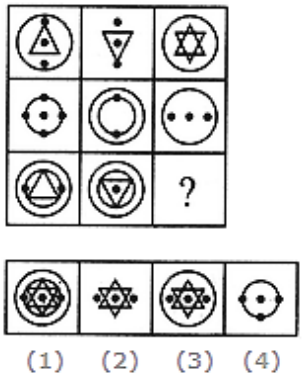
Directions: (61-80) In each of the following questions, find out which of the answer figures (1), (2), (3) and (4) completes the figure matrix?

61.



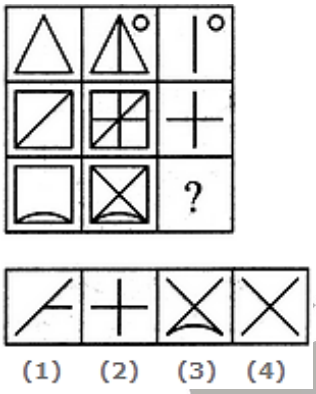
(a) 1 (b) 2
(c) 3 (d) 4

62.



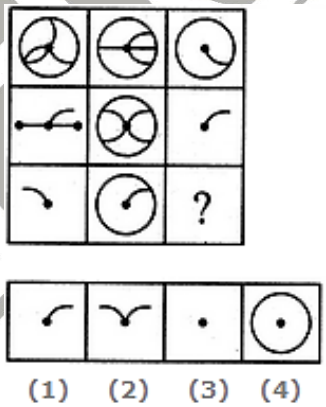
(a) 1 (b) 2
(c) 3 (d) 4

63.



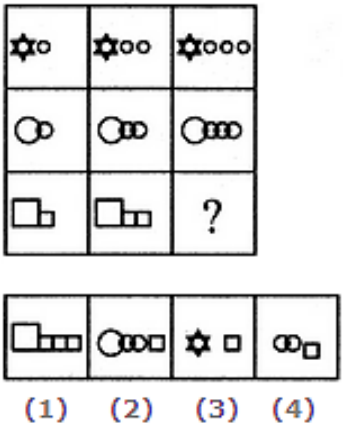
(a) 1 (b) 2
(c) 3 (d) 4
(d)

64.



(a) 1 (b) 2
(c) 3 (d) 4

65.

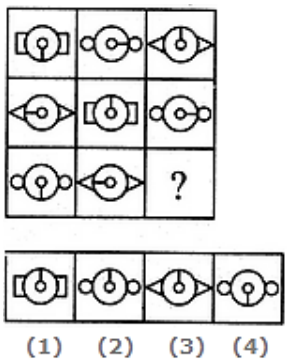


(a) 1 (b) 2
(c) 3 (d) 4

WINNERS

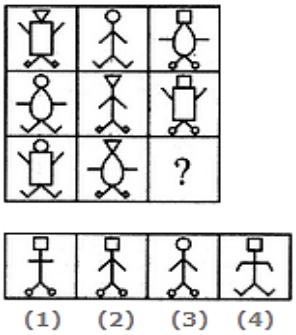
Matrix - Practice Sheet

66.



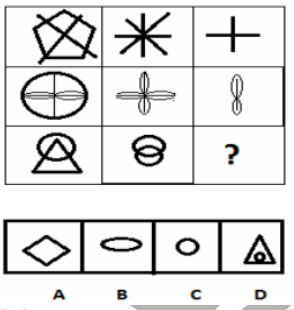
(a) 1 (b) 2
(c) 3 (d) 4

67.



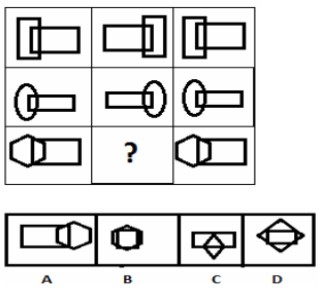
(a) 1 (b) 2
(c) 3 (d) 4

68.



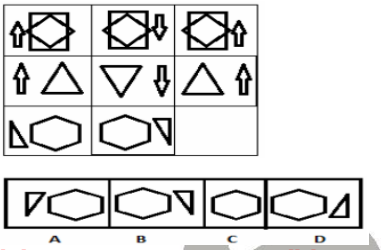
(a)A (b) B
(c) C (d) D

69.



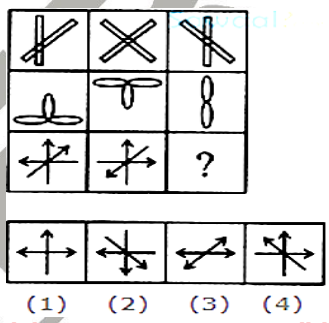
(a) A (b) B
(c) C (d) D

70.



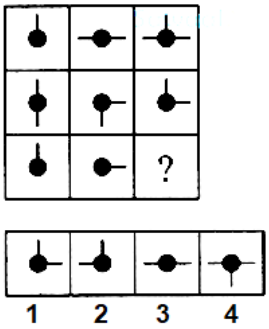
(a) A (b) B
(c) C (d) D

71.



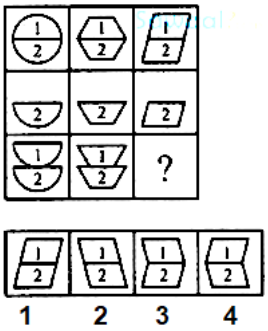
(a) 1 (b) 2
(c) 3 (d) 4

72.



(a) 1 (b) 2
(c) 3 (d) 4

73.



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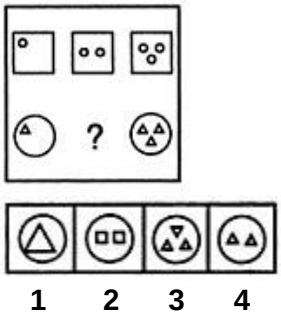
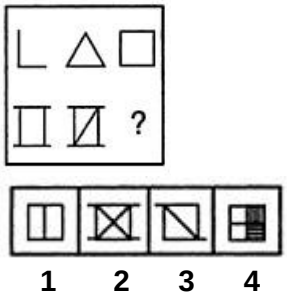
(a) 1 (b) 2
(c) 3 (d) 4.

74.



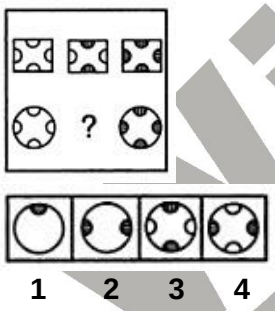
(a) 4 (b) 3
(c) 2 (d) 1

75.



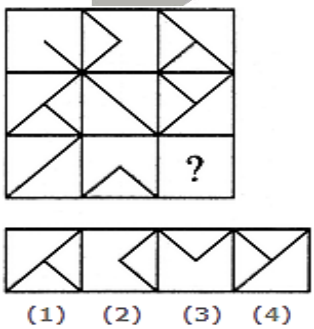
(a) 1 (b) 2
(c) 3 (d) 4

76.



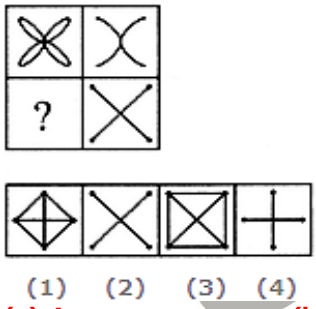
(a) 2 (b) 3
(c) 4 (d) 1

77.



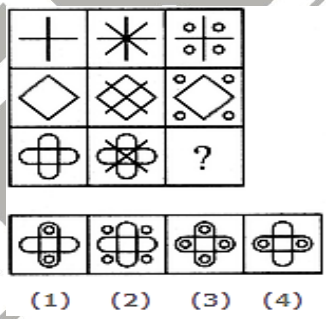
(a) 3 (b) 1
(c) 2 (d) 4

78.



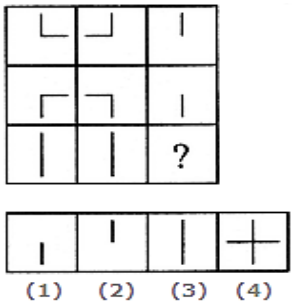
(a) 4 (b) 3
(c) 2 (d) 1

79.



(a) 2 (b) 4
(c) 3 (d) 1

80.



(a) 4 (b) 1
(c) 2 (d) 3

Matrix - Practice Sheet

ANSWERS

1.	(b)	2.	(a)	3.	(a)	4.	(d)	5.	(b)
6.	(d)	7.	(b)	8.	(a)	9.	(a)	10.	(a)
11.	(c)	12.	(d)	13.	(c)	14.	(d)	15.	(b)
16.	(b)	17.	(d)	18.	(b)	19.	(c)	20.	(a)
21.	(b)	22.	(c)	23.	(c)	24.	(d)	25.	(a)
26.	(c)	27.	(a)	28.	(d)	29.	(c)	30.	(a)
31.	(d)	32.	(a)	33.	(b)	34.	(a)	35.	(c)
36.	(c)	37.	(d)	38.	(d)	39.	(b)	40.	(b)
41.	(c)	42.	(b)	43.	(a)	44.	(d)	45.	(d)
46.	(a)	47.	(c)	48.	(c)	49.	(d)	50.	(c)
51.	(a)	52.	(c)	53.	(d)	54.	(d)	55.	(a)
56.	(c)	57.	(c)	58.	(a)	59.	(b)	60.	(d)
61.	(b)	62.	(b)	63.	(d)	64.	(c)	65.	(a)
66.	(a)	67.	(b)	68.	(c)	69.	(a)	70.	(d)
71.	(c)	72.	(a)	73.	(c)	74.	(a)	75.	(b)
76.	(b)	77.	(c)	78.	(b)	79.	(a)	80.	(d)

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Solution

1. (b) According to the matrices
P → 58, 69, 75, 86, 97
A → 00, 12, 23, 34, 41,
S → 02, 14, 20, 31, 43,
T → 59, 65, 76, 87, 95
There fore → PAST ⇒ 86, 12, 31, 76

2. (a) According to the matrices
R → 01, 13, 24, 30, 42
A → 00, 12, 23, 34, 41
T → 59, 65, 76, 87, 98
E → 56, 67, 78, 89,95
There fore → RATE ⇒ 13, 12, 98, 67

3. (a) According to the matrices
P → 58, 69, 75, 86, 97
O → 55, 66, 77, 88, 99
E → 56, 67, 78, 89, 95
T → 59, 65, 76, 87, 98
There fore → POET ⇒ 69, 88, 67, 65

4. (d) According to the matrices
N → 03, 10, 21, 32, 44
E → 56, 67, 78, 89, 95
S → 02, 14, 20, 31, 43
T → 59, 65, 76, 87, 95
There fore → NEST ⇒ 21, 67, 14, 59

5. (b)According to the matrices
P → 58, 69, 75, 86, 97
E → 56, 67, 78, 89, 95
S → 02, 14, 20, 31, 43
T → 59, 65, 76, 87, 98
There fore → PEST ⇒ 58, 67, 43, 98

6. (d) According to the matrices
F → 02, 14, 21, 33, 40
I → 03, 10, 22, 34, 41
R → 57, 69, 76, 88, 95
E → 01, 13, 20, 32, 44
There fore → FIRE ⇒ 02, 03, 57, 01

7. (b) According to the matrices
B → 04, 11, 23, 30, 42
U → 58, 65, 77, 89, 96
S → 57, 69, 76, 88, 95
H → 03, 10, 22, 34, 41
There fore → BUSH ⇒ 23, 77, 57, 22

8. (a) According to the matrices
S → 03, 12, 21, 30, 44
L → 02, 11, 20, 34, 43
E → 04, 13, 22, 31, 40
E → 04, 13, 22, 31, 40
P → 00, 14, 23, 32, 41
There fore → SLEEP ⇒ 44, 11, 40, 31, 41

9. (a) According to the matrices
D → 03, 11, 24, 30, 42
E → 04, 10, 21, 32, 43
M → 57, 69, 78, 86, 95
O → 59, 65, 76, 87, 98
There fore → DEMO ⇒ 24, 32, 57, 65

10. (a) According to the matrices
N → 58, 65, 79, 12, 21, 40, 42
E → 02, 22, 43, 56, 68, 85
S → 14, 23, 41, 69, 99
T → 31, 33, 76, 96
There fore → NEST ⇒ 21, 85, 69, 31

11. (c) According to the matrices
M → 56, 68, 75, 87, 99
E → 00, 12, 24, 31, 43
N → 57, 69, 76, 88, 95
There fore → MEN ⇒ 75, 00, 95

12. (d) According to the matrices
D → 57, 69, 76, 88, 95
O → 01, 13, 20, 32, 44
O → 01, 13, 20, 32,44
R → 04, 11, 23, 30, 42
There fore → DOOR ⇒ 57, 13, 32, 23

13. (c) According to the matrices
T → 56, 67, 78, 85
R → 14, 22, 31, 43
A → 12, 24, 33, 41
M → 55, 66, 77, 88
P → 57, 68, 75, 86
L → 11, 23, 32, 44
E → 58, 65, 76, 87
There fore → TRAMPLE ⇒ 78, 22, 12, 55, 68, 32,58

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14. (d) According to the matrices
J → 26, 38, 47, 59
E → 62, 74, 83, 95
N → 27, 39, 48, 59
U → 63, 75, 82, 94
There fore → JENU ⇒ 47, 74, 39, 94

15. (b) According to the matrices
R → 55, 69, 78, 87, 96
O →59, 68, 77, 86,
S → 03, 12, 21, 30, 44
E → 04, 13, 22, 31, 40
There fore → ROSE ⇒ 96, 86, 44, 40

16. (b) According to the matrices
M → 02, 14, 21, 33, 40
I → 58, 65, 77, 89, 95
S → 03, 10, 22, 34, 41
T → 56, 68, 75, 87, 99
There fore → MIST ⇒ 40, 58, 03, 56

17. (d) According to the matrices
J → 00, 13, 21, 34, 42
U → 01, 14, 22, 30, 43
D → 57, 65, 78, 89, 96
G → 02, 10, 23, 31, 44
E → 55, 66, 77, 88, 99
There fore → JUDGE ⇒ 34, 01, 89, 23, 66

18. (b) According to the matrices
O → 59, 67, 75, 86, 98
B → 57, 65, 78, 89, 96
J → 01, 14, 22, 30, 43
E → 55, 66, 77, 88, 99
C → 02, 10, 23, 37, 44
T → 03, 11, 24, 32, 40
There fore→ OBJECT⇒ 75, 96, 22, 55, 44, 03

19. (c) According to the matrices
B → 57, 65, 78, 89, 96
E → 55, 66, 77, 88, 99
S → 04, 12, 20, 33, 41
T → 03, 11, 24, 32, 40
There fore → BEST ⇒ 96, 88, 12, 40

20. (a) According to the matrices
P → 00, 13, 21, 34, 42
O → 59, 67, 75, 86, 98
W → 56, 68, 79, 87, 95
E → 55, 66, 77, 88, 99
R → 03, 11, 24, 32, 40
There fore → POWER ⇒ 13, 67, 56, 99, 32

21. (b) According to the matrices
S → 11,22,24, 40
C → 02, 10, 23, 31, 44
A → 01, 14, 30, 43
L → 57, 65, 78, 89, 96
E → 55, 66, 77, 88, 99
There fore → SCALE ⇒ 22, 44, 30, 65, 99

22. (c) According to the matrices
A → 01, 14, 22, 30, 43
M → 56, 68, 79, 87, 95
P → 00, 13, 21, 34, 42
L → 57, 65, 78, 89, 96
E → 55, 66, 77, 88, 99
There fore → AMPLE ⇒ 22, 95, 00, 57, 88

23. (c) According to the matrices
O → 89, 67, 75, 86, 98
R → 03, 11, 24, 32, 40
R → 03, 11, 24, 32, 40
A → 01, 14, 22, 30, 43
N → 58, 69, 76, 85, 97
There fore → ORRAN ⇒ 75, 03, 11, 22, 76

24. (d) According to the matrices
L → 11, 31
A → 66, 87, 99
N → 32
E → 58, 79, 88, 97
There fore → LANE ⇒ 31, 87, 32, 97

25. (a) According to the matrices
A → 00, 12, 24, 31, 43
I → 55, 68, 76, 89, 97
R → 57, 65, 78, 86, 99
S → 58, 66, 79, 87, 95
There fore → AIRS ⇒ 43, 55, 86, 95

26. (c) According to the matrices
C → 04, 11, 24, 31, 43
O → 02, 14, 21, 33, 40
R → 55, 67, 79, 86, 98

K → 56, 68, 75, 87, 99
There fore → CORK ⇒ 11, 40, 55, 75

27. (a) According to the matrices
B → 00, 13, 21, 34, 42
A → 55, 69, 78, 87, 96
N → 01, 14, 22, 30, 43
K → 57, 66, 75, 89, 98
There fore → BANK ⇒ 42, 69, 14, 98

28. (d) According to the matrices
L → 03, 11, 22, 30, 43
I → 56, 65, 79, 88, 97
O → 58, 67, 76, 85, 99
N → 01, 14, 22, 30, 43
There fore → LION ⇒ 11, 88, 99, 22

29. (c) According to the matrices
R → 57, 69, 76, 88, 95
O → 56, 68, 75, 87, 99
S → 02, 14, 21, 33, 40
E → 01, 13, 20, 32, 44
There fore → ROSE ⇒ 95, 75, 02, 32

30. (a) According to the matrices
R → 01, 22, 44, 59, 66
A → 02, 24, 57, 65, 88
T → 00, 23, 41, 75, 97
E → 04, 20, 40, 55, 77, 99
There fore → RATE ⇒ 22, 24, 75, 99

31. (d) According to the matrices
A → 02, 10, 21, 33, 40, 58, 65, 77, 89, 96
R → 03, 10, 22, 34, 41
T → 04, 11, 23, 30, 42
S → 12, 55, 67, 79, 86, 98
There fore → ARTS ⇒ 65, 22, 23, 67

32. (a) According to the matrices
H → 55, 67, 79, 88, 96
E → 02, 14, 43, 30, 21
E → 02, 14, 43, 30, 21
L → 57, 69, 76, 85, 98
There fore → HEEL ⇒ 67, 21, 14, 98

33. (b) According to the matrices
B → 00, 12, 24, 31, 43
E → 57, 69, 76, 88, 95
A → 02, 14, 21, 33, 40
T → 04, 11, 23, 30, 42
There fore → BEAT ⇒ 00, 76, 33, 23

34. (a) According to the matrices
F → 55, 68, 76, 89, 97
A → 02, 10, 24, 33, 41
D → 56, 69, 75, 87, 99
E → 01, 14, 20, 32, 43
There fore → FADE ⇒ 76, 02, 75, 32

35. (c) According to the matrices
T → 59, 66, 78, 85, 97
O → 02, 14, 21, 33, 40
N → 58, 65, 77, 89, 96
E → 01, 13, 20, 32, 44
There fore → TONE ⇒ 97, 33, 65, 44

36. (c) According to the matrices
T → 01, 13, 20, 22, 58, 67, 76, 85
O → 02, 21, 30, 33
L → 55, 66, 77, 88
D → 03, 10, 12, 31, 57, 68, 75, 87
There fore → TOLD ⇒ 76, 33, 55, 31

37. (d) According to the matrices
G → 55, 666, 77, 88, 99
U → 01, 12, 23, 34, 41
N → 58, 69, 75, 86, 97
S → 00, 11, 22, 33, 44
There fore → GUNS ⇒ 99, 12, 86, 22

38. (d) According to the matrices
R → 55, 67, 79, 86, 98
O → 56, 68, 75, 87, 99
A → 04, 12, 23, 30, 41
D → 02, 10, 21, 33, 44
There fore → ROAD ⇒ 86, 56, 23, 33

39. (b) According to the matrices
L → 57, 69, 76, 85, 98
I → 58, 65, 77, 86, 99
F → 03, 10, 22, 31, 44
E → 02, 14, 21, 30, 43
There fore → LIFE ⇒ 57, 65, 03, 02

40. (b) According to the matrices,
B - 00, 12, 21, 34, 43

A - 55, 66, 77, 88, 99
L- 56, 67, 78, 89, 95
D- 02, 11, 24, 33, 40
Therefore, BALD ⇒ 21, 88, 95, 24.

41. (c) According to the matrices,
P - 10
U - 45
S - 11, 66
H - 03, 75
therefore, PUSH ⇒ 10, 45, 66, 75.

42. (b) According to the matrices,
C - 59, 66, 77, 88, 95
A - 01, 12, 20, 33, 44
R - 02, 14, 23, 31, 40
T - 58, 67, 75, 86, 89
therefore, CART ⇒ 66, 12, 40, 58

43. (a) According to the matrices,
R - 97, 89, 75, 68, 56
O - 44, 33, 21, 12, 00
S - 98, 86, 77, 65, 59
T - 99, 85, 76, 67, 58
therefore, ROST ⇒ 68, 33, 65, 58

44. (d) According to the matrices,
B- 58, 69, 75, 88, 99
O- 03, 11, 22, 30, 44
T - 59, 68, 76, 87, 95
H - 57, 65, 79, 86, 98
therefore, BOTH ⇒ 75, 22, 76, 79.

45. (d) According to the matrices,
B → 02, 11, 20, 34, 43.
L →59, 68, 77, 86, 95.
O→ 01, 10, 24, 33, 42.
W→ 55, 69, 78, 87, 96.
Therefore BLOW ⇒ 11, 68, 42, 69

46. (a) According to the matrices,
D →00, 14, 23, 32, 41.
R →57, 66, 75, 89, 98.
A →03, 12, 21, 30, 44.
W →55, 69, 78, 87, 96.
Therefore DRAW ⇒ 14, 89, 12, 78

47. (c) According to the matrices,
L →59, 68, 77, 86, 95.
A →03, 12, 21, 30, 44.
M →58, 67, 76, 85, 99.
B →02, 11, 20, 34, 43.
Therefore LAMB ⇒ 68, 21, 58, 34

48. (c) According to the matrices,
R →57, 66, 75, 89, 98.
A →03, 12, 21, 30, 44.
I →04, 13, 22, 31, 40.
N→ 56, 65, 79, 88, 97.
Therefore RAIN ⇒ 57, 12, 31, 56

49. (d) According to the matrices,
B →02, 11, 20, 34, 43.
A →03, 12, 21, 30, 44.
N →56, 65, 79, 88, 97.
D →00, 14, 23, 32, 41.
Therefore BAND ⇒ 11, 21, 79, 41

50. (c) According to the matrices
6 → be, cd, dc
7 → cb, de, ec
2 → ab, dd, ec
9 → aa, ce
There fore → 6729 ⇒ be, ec, ab, ce

51. (a) According to the matrices
P → 0*1, 2*, 3*3
I →0*0, 2*2, 4*4
N → 1*1, 2*4, 4*0
K → 0*3, 1*2, 4*1
There fore → PINK ⇒ 2*0, 4*4, 2*4, 0*3

52. (c) According to the matrices
R → 75, 96, 67, 88, 59
O → 65, 86, 57, 78, 99
S → 20, 41, 12, 33, 04
E→ 10, 31, 02, 23, 44
There fore → ROSE ⇒ 59, 57, 20, 23

53. (d) According to the matrices
L → 95, 66, 87, 58, 79
A → 00, 21, 42, 13, 34
K → 85, 36, 77, 98, 69
E → 10, 31, 02, 23, 44
There fore → LAKE ⇒ 58, 13, 77, 44

54. (d) According to the matrices
E → 10, 31, 02, 23, 44
A → 00, 21, 42, 13, 34
S → 20, 41, 12, 33, 04
T → 30, 01, 22, 43, 14
There fore → EAST ⇒ 31, 21, 12, 43

55. (a) According to the matrices
L → 95, 66, 58, 79
E → 10, 31, 02, 23, 44
S → 20, 41, 12, 33, 04
T → 30, 01, 22, 43, 14
There fore → LEST ⇒ 79, 23, 33, 01

56. (c) According to the matrices
S → 20, 41, 12, 33, 04
O → 65, 86, 57, 78, 99
L → 95, 66, 87, 58, 79
E → 10, 31, 02, 23, 44
There fore → SOLE ⇒ 20, 99, 66, 44

57. (c) According to the matrices
K → 85, 77, 98, 69
O → 65, 86, 57, 78, 99
H → 00, 21, 42, 13, 34
A → 40, 11, 32, 03, 24
There fore → KOHA ⇒ 77, 99, 00, 11

58. (a) According to the matrices
R → 75, 66, 67, 88, 59
P → 55, 76, 97, 68, 89
L → 95, 66, 87, 58, 79
S → 20, 41, 12, 33, 04
There fore → RPLS ⇒ 66, 89, 79, 04

59. (b) According to the matrices
E → 10, 31, 02, 23, 44
T → 30, 01, 22, 43, 14
O → 65, 86, 57, 78, 99
P → 55, 76, 97, 68, 89
There fore → ETOP ⇒ 31, 22, 78, 89

60. (d) According to the matrices
O → 65, 86, 57, 78, 99
K → 85, 56, 77, 98, 69
A → 00, 21, 42, 13, 34
S→ 20, 41, 12, 33, 04
There fore → OKAS ⇒ 57, 56, 42, 04

61. (b)
In each row, the second figure is obtained by shading one of the four parts of the first figure and the third figure is obtained by shading two out of the four parts of the first figure.

62. (b)
The third figure in each row comprises of parts which are not common to the first two figures.

63. (d)
The third figure in each row comprises of parts which are not common to the first two figures.

64. (c)
The third figure in each row comprises of the parts common to the first two figures.

65. (a)
In each row, the second figure is obtained from the first figure by increasing the number of smaller elements by one and the third figure is obtained from the second figure by increasing the number of smaller elements by one.

66. (a)
In each row, the central part of the first figure rotates either 90o CW or 90o ACW to form the central part of the second figure and the central part of the first figure rotates through 180o to form the central part of the third figure. Also, in each row, there are 3 types of side elements - rectangles, circles and triangles.

67. (b)
There are 3 types of faces, 3 types of bodies, 3 types of hands and 3 types of legs, each of which is used only once in a single row. So, the features which have not been used in the first two figures of the third row would combine to produce the missing figure.

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68. (c)

69. (a)

70. (d)

71. (c)
The third figure in each row comprises of parts which are not common to the first two figures.

72. (a)
In each row, the third figure comprises of a black circle and only those line segments which are not common to the first and the second figures.

73. (c)
In each column, the second figure (middle figure) is obtained by removing the upper part of the first figure (uppermost figure) and the third figure (lowermost figure) is obtained by vertically inverting the upper part of the first figure.

74. (a)
Similar small figures are increasing by one in each of the bigger figure.

75. (b)
One line is increasing in each subsequent figue.

76. (b)
By observing the above pattern Figure (3) will complete the matrix.

77. (c)
The third figure in each row comprises of parts which are not common to the first two figures.

78. (b)
In each row, the third figure is a collection of the common elements (line segments) of the first and the second figures.

79. (a)
(a) In each row, the second figure is obtained from the first figure by adding two mutually perpendicular line segments at the centre and the third figure is obtained from the first figure by adding four circles outside the main figure.

80. (d)
(d) In each row, the third figure is a collection of the common elements (line segments) of the first and the second figures.

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