Matrix

Solution

1. **Answer: (B)**
00, 33, 86, 95, 04 → P R O B M
43, 40, 55, 88, 34 → P R O B E
31, 02, 67, 56, 04 → P R O A M
24, 21,12, 96, 00 → P R P J P
Hence, '43, 40, 55, 88, 34' is the correct answer.

2. **Answer: (B)**
The representation for HALT is
H → 04, 12, 21, 33, 40
A → 03, 14, 20, 32, 41
L → 55, 68, 77, 86, 99
T → 00, 13, 24, 31, 42
HALT → 21, 41, 68, 13
Hence, option 2 is correct

3. **Answer: (D)**
The representation for GLOW is:
G → 56, 68, 79, 87, 95
L → 57, 65, 78, 89, 96
O → 00, 13, 21, 34, 42
W → 04, 12, 20, 33, 41
GLOW → 95, 57, 13, 33
Hence, option 4 is correct

4. **Answer: (C)**
1) 41, 24, 67, 59 → R, E, S, S
2) 33, 32, 99, 75 → R, E, T, S
3) 12, 40, 86, 88 → R, E, S, T
4) 20, 03, 56, 98 → R, E, U, S
Hence, the answer is 12, 40, 86, 88 for 'REST'.

5. **Answer: (A)**
1) 41, 66, 42, 33, 86 → N, I, F, T, Y
2) 14, 79, 31, 30, 99 → N, I, F, M, Y
3) 03, 85, 32, 40, 77 → N, I, N, T, Y
4) 32, 01, 13, 04, 68 → F, P, F, T, Y
Hence, the answer is 41, 66, 42, 33, 86 for 'NIFTY'.

6. **Answer: (D)**
1) 10, 14, 00, 68, 79 ⇒ B, L, A, N, S
2) 31, 41, 33, 96, 86 ⇒ B, L, A, N, S
3) 44, 20, 32, 88, 59 ⇒ B, L, L, N, D
4) 23, 32, 24, 55, 66 ⇒ B, L, A, N, D

Hence, "23, 32, 24, 55, 66 "is the set for the word 'BLAND'

7. **Answer: (C)**
1) 23, 76, 22, 77 → B, D, N, O
2) 11, 67, 40, 95 → B, A, S, D
3) 00, 55, 03, 59 → B, A, N, D
4) 44, 89, 30, 87 → B, P, N, D
Hence, BAND will be represented by 00, 55, 03, 59.

8. **Answer: (B)**
1) 01, 13, 04, 76, 66 → S T E A I
2) 14, 31, 40, 95, 59 → S T E A L
3) 22, 42, 21, 69, 97 → S T E P P
4) 43, 24, 33, 57, 58 → S T E A I
Hence correct set is '14, 31, 40, 95, 59'

9. **Answer: (A)**
1) 00, 78, 13, 67, 23 ⇒ S, T, R, A, W
2) 12, 59, 01, 55, 10 ⇒ S, T, R, A, H
3) 24, 97, 20, 86, 31 ⇒ S, T, R, A, S
4) 43, 66, 44, 98, 43 ⇒ S, T, R, A, S
Hence, the set of number which represents word "STRAW" is "00, 78, 13, 67, 23".

10. **Answer: (A)**
1) 00, 04, 67, 57 → P, O, N, D
2) 23, 12, 86, 69 → O, P, N, D
3) 43, 24, 98, 95 → P, P, N, D
4) 30, 42, 55, 87 → O, O, N, T
Hence, 'POND' is represented by '00, 04, 67, 57'.

11. **Answer: (B)**
1) 00, 13, 57, 76 ⇒ SPAM
2) 11, 04, 86, 59 ⇒ SCAM
3) 23, 22, 99, 95 ⇒ SNAM
4) 32, 40, 66, 68 ⇒ SCJM
Hence option 2 is correct.

12. **Answer: (D)**
1) 10, 79, 23, 32, 42 → CREEC
2) 24, 55, 14, 41, 12 → CREEX
3) 33, 86, 32, 13, 43 → CRETP
4) 42, 98, 41, 00, 34 → CREEP
Hence, 'CREEP' will be represented by '42, 98, 41, 00, 34'.

13. **Answer: (D)**
1) 42, 03, 89, 13 → S, Q, A, R.
2) 11, 40, 65, 02 → S, T, A, T.
3) 04, 32, 96, 32 → S, R, A, R.
4) 30, 21, 77, 44 → S, T, A, R.
Hence, STAR is represented by '30, 21, 77, 44'.

14. **Answer: (D)**
1) 43, 23, 55, 56 → RALE
2) 33, 30, 67, 75 → SALE
3) 11, 42, 86, 98 → AALL
4) 20, 04, 79, 87 → PALE
Hence correct answer is option 4.

15. **Answer: (C)**
1) 00, 68, 95, 58, 04 → GUILE
2) 14, 75, 88, 87, 40 → GUIUE
3) 23, 99, 76, 78, 31 → GUIDE
4) 41, 87, 57, 66, 12 → GUIDR
Hence, "23, 99, 76, 78, 31"is the correct set.

16. **Answer: (A)**
1) 10, 12, 11, 66, 58 → SPEAK
2) 43, 31, 33, 89, 86 → SPEAB
3) 21, 40, 44, 56, 99 → SPEOK
4) 32, 03, 20, 97, 66 → SPEOA
Clearly, the set for word 'SPEAK' is '10, 12, 11, 66, 58'.

17. **Answer: (D)**

1) 01, 03, 75, 00, 68 → T, R, A, I, A
2) 14, 30, 68, 13, 58 → T, R, A, I, H
3) 20, 44, 99, 21, 96 → T, R, A, I, S
4) 43, 11, 56, 34, 88 → T, R, A, I, L
Therefore, the set of numbers representing the word "TRAIL" is "43, 11, 56, 34, 88".

18. **Answer: (D)**
1) 10, 04, 33, 57, 69 → STRMN
2) 41, 42, 14, 68, 86 → STRMN
3) 34, 23, 40, 88, 78 → STROK
4) 22, 11, 21, 75, 96 → STROM
Clearly, the set for word 'STROM' is '22, 11, 21, 75, 96'.

19. **Answer: (D)**
1) 33, 00, 98, 30, 88 → R, A, T, E, U.
2) 14, 43, 55, 11, 68 → R, A, T, E, P.
3) 14, 24, 86, 42, 56 → R, A, T, E, P.
4) 02, 12, 67, 04, 96 → R, A, T, E, S.
Hence, "02, 12, 67, 04, 96" is a set of number which represent word 'RATES'

20. **Answer: (B)**
From matrices 1 and 2
S can be coded as 20, 75
K can be coded as 58, 23
A can be coded as 00, 77
T can be coded as 44, 79
E can be coded as 10, 78