SSC concept based Test-1
Answer with Solution

1	C	9	B	17	D	25	D	33	C
2	B	10	C	18	D	26	A	34	A
3	A	11	B	19	C	27	B	35	D
4	B	12	D	20	C	28	B	36	A
5	C	13	C	21	D	29	C	37	C
6	D	14	B	22	A	30	C		
7	A	15	B	23	D	31	A		
8	B	16	a	24	A	32	b		

1. (c) The numbers in the given arrangement follow the rule given below.

$4 \times 1 = 4$

$4 \times 2 = 8$

$8 \times 3 = 24$

$24 \times 4 = 96$

$96 \times 5 = 480$

$480 \times 6 = \boxed{2880}$

$2880 \times 7 = 20160$

2. (b) First of all take the product of all the numbers given outside the square and divide it by 10 to get the number inside the suqrae

Ist figure

$5 \times 3 \times 4 \times 2 = 120$

$120 \div 10 = 12$

2nd figure

$5 \times 6 \times 2 \times 3 = 180$

$18 \div 10 = 18$

3rd figure

$5 \times 2 \times 2 = 180$

$180 \div 10 = \boxed{18}$

3. (a) First figure

15+16=22+9

Or, 31=31

Second figure

13+7=11+9

Or, 20=20

Third figure

21+15=?+13

Or, ?=36-13 = $\boxed{23}$

4. (b) $9 \times 3 = 27$ and $9 \times 6 = 54$

$14 \times 3 = 42$ and $14 \times 6 = 81$

Similarly

$7 \times 3 = \boxed{21}$ and $7 \times 6 = 42$

5. (c) $8 + 7 = 15$

$15 + 14 = 29$

$29 + 28 = 57$

$57 + 56 = 113$

$113 + 112 = \boxed{225}$

6. (d) 9+3=12, 12+6=18

18+9= $\boxed{27}$

7. (a) 8+2=10, 10+4=14

14+6= $\boxed{20}$

8. (b) The product of the first the number in each column equal to the lowermost number

First column $9 \times 12 \times 13 = 1404$

Second column

$3 \times 2 \times 5 = 30$

Third column

$7 \times 9 \times ? = 504$

So that $? = \dfrac{504}{7 \times 9} = 8$

9. (b) Proceed clockwise starting with the lowest number in the following manner

$7 \times 2 + 1 = 15$

$15 \times 2 + 1 = 31$

$31 \times 2 + 1 = 63$

$63 \times 2 + 1 = 127$

$127 \times 2 + 1 = 255$

10. (c) 22+42=64

27+52=79

Therefore, ?=91-18=73

11.(b) Align 3+18=21

4+23=27

?+27=33

So that ?=33-27=6.

12. (d) 25+27=52, 23+30=53

33+21=54,

Therefore, ?+36=55.

So that ?=55-36=19.

13. (c) $(5 \times 4) + (3 \times 1) = 23$

$(7 \times 6) + (3 \times 4) = 54$

$(11 \times 2) + (? \times 9) = 40$

$? \times 9 = 40 - 22 = 18$

Or, $? = \dfrac{18}{9} = 2$

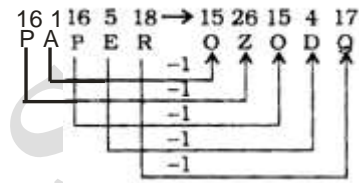14.(b) The upper numbers are multiples of the lower number.

15. (b) $(7 + 9 + 5 + 4) \times 2 - 10 = 40$
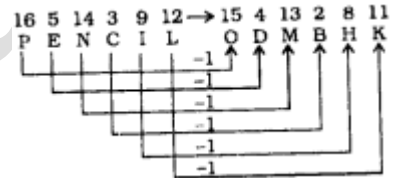
$(17 + 8 + 3 + 6) \times 2 - 14 = 54$

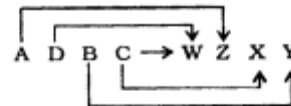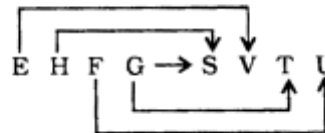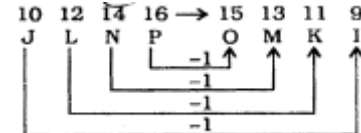$(10 + 21 + 6 + 3) \times 2 - 18 = 62$
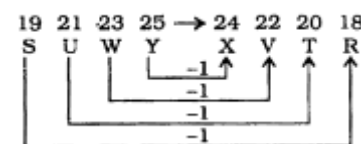
16. (a)

17. (d)

Therefore

18. (d)

Pair of opposite letters.
Similarly

19. (c)

Similarly.

20.(c)

1

```
P   E   N
↓   ↓   ↓
N   Z   O
B   A   R   K
↓   ↓   ↓   ↓
C   T   S   L
```
Therefore,
```
P   R   A   N   K
↓   ↓   ↓   ↓   ↓
N   S   T   O   L
```

21.(d)
```
(4) B   R   O   T   H   E   R
    ↓   ↓   ↓   ↓   ↓   ↓   ↓
    2   4   5   6   7   8   4
    S   I   S   T   E   R
    ↓   ↓   ↓   ↓   ↓   ↓
    9   1   9   6   8   4
```
Therefore,
```
R   O   B   B   E   R   S
↓   ↓   ↓   ↓   ↓   ↓   ↓
4   5   2   2   8   4   9
```
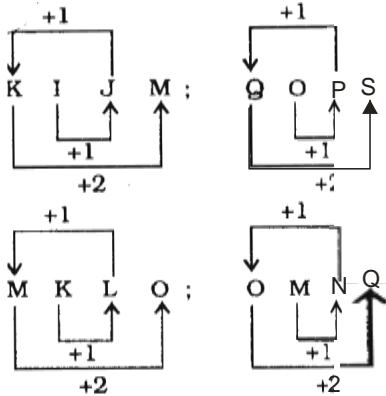
22.(a)
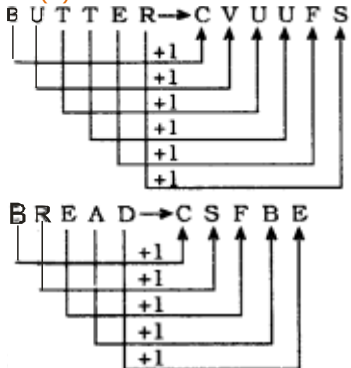```
1   4   3   2 5 6 7
E   N   V   I   R O N M E N T
```

23.(d) There is no 'G' letter in the given word.

24. (a) EGQU

25. (d)
```
    +1   +1
K   I   J   M ;   Q   O   P   S
    +1   +1
    +2   +2

    +1   +1
M   K   L   O ;   O   M   N   Q
    +1   +1
    +2   +2
```

26.(a)
```
B U T T E R → C V U U F S
        +1
        +1
        +1
        +1
        +1
        +1

B R E A D → C S F B E
        +1
        +1
        +1
        +1
        +1
```
Therefore
```
C O F F E E → D P G G F F
        +1
        +1
        +1
        +1
        +1
        +1
```

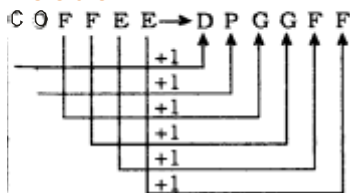27. (b)
```
C   L   O   U   D
↓   ↓   ↓   ↓   ↓
5   9   4   3   2
R   A   I   N
↓   ↓   ↓   ↓
1   6   7   8
```
Therefore
```
A   R   O   U   N   D
↓   ↓   ↓   ↓   ↓   ↓
6   1   4   3   8   2
```

28.(b) There is no 'A' letter in the given word. Therefore, the word CAUTION cannot be formed.

29.(c) E=5, i.e., position number in the english alphabet.
```
R   E   D
```
18+5+4=27, i.e., sum of the position numbers of the letters.
Therefore
```
D   A   N   C   E
```
4+1+14+3+5=27.

30.(c)
```
E   A   R   T   H
↓   ↓   ↓   ↓   ↓
Q   P   M   Z   S
```
Therefore,
```
H   E   A   R   T
↓   ↓   ↓   ↓   ↓
S   Q   P   M   Z
```

31.(a)
```
  B   E   Q   U   I   C   K
-2↓ ↓-2   -2↓ -2↓ -2↓ -2↓ -2↓
  Z   C   O   S   G   A   I
```
Therefore, Y $\xrightarrow{-2}$ W

32. (b)
```
C O N S C I O U S L Y
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
P E B N P J E X N K M
```
Therefore
```
S O I L
↓ ↓ ↓ ↓
N E J A
```

33.(c) 55. Discuss with Alok Sir.

34.(a)
```
P   R   A   B   A
↓   ↓   ↓   ↓   ↓
2   7   5   9   5

T   H   I   L   A   K
↓   ↓   ↓   ↓   ↓   ↓
3   6   8   4   5   1
```
Therefore,
```
B   H   A   R   A   T   I
↓   ↓   ↓   ↓   ↓   ↓   ↓
9   6   5   7   5   3   8
```

35.(d)
```
P   A   R   E   N   T
↓   ↓   ↓   ↓   ↓   ↓
B   D   F   G   J   K

C   H   I   L   D   R   E   N
↓   ↓   ↓   ↓   ↓   ↓   ↓   ↓
M   O   X   Q   U   F   G   J
```
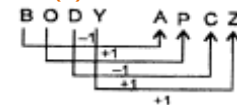Therefore,
```
R   E   P   R   I   N   T
↓   ↓   ↓   ↓   ↓   ↓   ↓
F   G   B   F   X   J   K
```

36.(a) Here we get the answer by adding the order number of theletters of stable.

37.(c) As
```
B O D Y   A P C Z
        -1
        +1
        -1
        +1
```
Similarly
```
D E L H I   C F K I H
        -1
        +1
        -1
        +1
        -1
```