

# Classification

## REASONING WORKBOOK

### QUESTIONS

**Direction (1 -10):** In each of the following questions, four set of letters are given of which three are alike in some way, while the rest one is different. Choose out the odd one.

- |     |             |             |             |             |
|-----|-------------|-------------|-------------|-------------|
| 1.  | (a) M       | (b) B       | (c) P       | (d) U       |
| 2.  | (a) C       | (b) H       | (c) Q       | (d) W       |
| 3.  | (a) B C E   | (b) G H I   | (c) P Q S   | (d) W X Z   |
| 4.  | (a) A I R   | (b) O U R   | (c) H D R   | (d) E A R   |
| 5.  | (a) B F J N | (b) A D G J | (c) G K O S | (d) L P T X |
| 6.  | (a) B d f H | (b) E g i K | (c) Q s u W | (d) T v x Y |
| 7.  | (a) m n O p | (b) t U v w | (c) a b c d | (d) H I j k |
| 8.  | (a) C B A   | (b) I J H   | (c) N O M   | (d) P Q O   |
| 9.  | (a) set     | (b) hat     | (c) let     | (d) get     |
| 10. | (a) P H D   | (b) Y M N   | (c) H R H   | (d) T L H   |

**Direction (11 -20):** In each of the following problems, four groups of numbers are given of which three are alike in some way, while the rest one is different. Choose out the different one.

- |     |            |            |            |            |
|-----|------------|------------|------------|------------|
| 11. | (a) 512    | (b) 64     | (c) 1000   | (d) 1200   |
| 12. | (a) 31     | (b) 53     | (c) 21     | (d) 17     |
| 13. | (a) 42     | (b) 31     | (c) 63     | (d) 84     |
| 14. | (a) 4264   | (b) 3213   | (c) 7247   | (d) 5346   |
| 15. | (a) 782    | (b) 682    | (c) 231    | (d) 275    |
| 16. | (a) 31     | (b) 15     | (c) 27     | (d) 21     |
| 17. | (a) 122    | (b) 413    | (c) 404    | (d) 503    |
| 18. | (a) 177    | (b) 263    | (c) 242    | (d) 482    |
| 19. | (a) 468011 | (b) 752124 | (c) 325811 | (d) 712424 |
| 20. | (a) 16     | (b) 49     | (c) 25     | (d) 32     |

**Direction (21-24):** Choose the odd numeral group in each of the following questions.

- |     |                        |             |           |           |
|-----|------------------------|-------------|-----------|-----------|
| 21. | (a) 8-2                | (b) 1-1     | (c) 27-3  | (d) 62-4  |
| 22. | (a) 7:51               | (b) 6:37    | (c) 5:26  | (d) 8:65  |
| 23. | (a) 20-8               | (b) 30 - 12 | (c) 16-6  | (d) 40-16 |
| 24. | (a) 6:16               | (b) 12 : 30 | (c) 9 :24 | (d) 3 :8  |
| 25. | Select the odd one out |             |           |           |
|     | (a) TVXZ               | (b) KMOQ    | (c) RPNL  | (d) DFHJ  |

(SOF NCO 2017)

ANSWER - KEY									
1.	D	2.	B	3.	B	4.	C	5.	B
6.	D	7.	C	8.	A	9.	B	10.	C
11.	D	12.	C	13.	B	14.	D	15.	A
16.	A	17.	A	18.	A	19.	B	20.	D
21.	D	22.	A	23.	C	24.	B	25.	C

1.	D	2.	B	3.	B	4.	C	5.	B
6.	D	7.	C	8.	A	9.	B	10.	C
11.	D	12.	C	13.	B	14.	D	15.	A
16.	A	17.	A	18.	A	19.	B	20.	D
21.	D	22.	A	23.	C	24.	B	25.	C

## EXPLANATIONS

1. (d): All other are consonants.
2. (b) : All other occupy the odd-numbered positions in the English alphabet.
3. (b): In all other groups the first two letters are consecutive and the third is obtained by skipping one letter from the second in the English alphabet series.
4. (c): All other have two vowels as first two letters.
5. (b): Regarding the English alphabet series, in all other sets, there is a gap of three letters between any two consecutive letters.
6. (d) : In all other sets, there is a gap of one letter between any two consecutive letters.
7. (c) : Except (c), each other set has one capital letter.
8. (a) : In other sets, the third, first and second letters are in alphabetical order.
9. (b): All other sets end with et.
10. (c) : No other set consists of repeated letter.
11. (d) : All other are cubes of some natural numbers.
12. (c): All other are prime numbers.
13. (b) : In others, the ten's digit is twice the one's digit.
14. (d) : In others, the first and the last digits are the same digit.
15. (a): In others, the middle digit is the sum of the rest two digits.
16. (a): All other numbers are divisible by 3.
17. (a): Sum of digits of each of other numbers is 8.
18. (a) : All other numbers, are not divisible by 3.
19. (b): Sum of digits in each number is 20.
20. (d) : All other numbers are perfect squares.
21. (d): In all other groups, first number is the cube of the second number.
22. (a): In all other groups,  
$$\text{2nd number} = (\text{1st number})^2 + 1.$$
23. (c): 
$$\text{1st number} = (\text{2nd number}) \times \frac{5}{2}.$$
24. (b): Numbers are in the ratio 3 is to 8.
25. (c) Not Available