## Quantitative Aptitude Practice questions on Number System- Remainders:

1. The sum of the digits of a number N is 23. The remainder when N is divided by 11 is 7. What is the remainder when N is divided by 33?

A. 7

B. 29

C. 16

D. 13

2. What is the remainder when (13100 + 17100) is divided by 25?

A. 0

B. 2

C. 4

D. 11

3. A number when divided by 18 leaves a remainder 7. The same number when divided by 12 leaves a remainder n. How many values can n take?

A. 2

B. 0

C. 1

D. 3

4. N leaves a remainder of 4 when divided by 33, what are the possible remainders when N is divided by 55?

A. 3

B. 5

C. 4

D. 2

5. What is the remainder when we divide 390 + 590 by 34?

A. 0

B. 17

C. 33

D. 1

6. N2 leaves a remainder of 1 when divided by 24. What are the possible remainders we can get if we divide N by 12?

A. 1, 5, 7 and 11

B. 1 and 5

C. 5, 9, and 11

D. 1 and 11

7. A prime number p greater than 100 leaves a remainder q on division by 28. How many values can q take?

A. 8

B. 12

C. 9

D. 15

8. How many positive integers are there from 0 to 1000 that leave a remainder of 3 on division by 7 and a remainder of 2 on division by 4?

A. 32

B. 36

C. 24

D. 19

9. Three numbers leave remainders of 43, 47 and 49 on division by N. The sum of the three numbers leaves a remainder 9 on division by N. What are the values N can take?

A. 65

B. 96

C. 125

D. More than one value is possible

10. A number leaves a remainder 3 on division by 14, and leaves a remainder k on division by 35. How many possible values can k take?

A. 3

B. 2

C. 5

D. 4

## Answer Key –

| Q.No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10. |
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| Ans. | (B) | (B) | (A) | (B) | (A) | (A) | (B) | (B) | (D) | (C) |