Q1) If A381 is divisible by 11, find the value of smallest natural number A.

a) 5
b) 6
c) 7
d) 9

Q2) If 381A is divisible by 9, find the value of smallest natural number A

a) 5
b) 4
c) 7
d) 6

Q3) A number 15B is divisible by 6. Which of these will be true about the positive integer B?

a) B will be even
b) B will be odd
c) B will be divisible by 6
d) Both option a & c

Q4) The number A is not divisible by 3. Which of the following will not be divisible by 3?

a) $9 \times A$
b) $2 \times A$
c) $18 \times A$
d) $24 \times A$

Q5) For a number to be divisible by 88, it should be

a) Divisible by 22 and 8
b) Divisible by 11 and 8
c) Divisible by 11 and thrice by 2
d) All of these

Q6) Find the remainder when $2851 \times 2862^2 \times 2873^3$ is divided by 23

a) 18
b) 7
c) 9
d) 11

Q7) Find the remainder for $\dfrac{73 \times 79 \times 81}{11}$

a) 1
b) 2
c) 3

d) 4

Q8) Find the remainder when $73 \times 75 \times 78 \times 57 \times 197 \times 37$ is divided by 34

a) 32
b) 30
c) 15
d) 28

Q9) Find the remainder when $1421 \times 1423 \times 1425$ is divided by 12

a) 3
b) 4
c) 5
d) 6

Q10) Find the remainder of given expression

$$\frac{173 \times 261}{13} + \frac{248 \times 249 \times 250}{15}$$

a) 4
b) 5
c) 6
d) 0

ANSWERS:

1 – C
2 – D
3 – D
4 – B
5 – D
6 – A
7 – A
8 – A
9 – A
10 – A