

Number system-1 test

Q1. How many of the following numbers are divisible by 132 ?

264, 396, 462, 792, 968, 2178, 5184, 6336

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

Q2. Find the unit digit in the following expression:

$(498)^{500} \times (499)^{501} \times (500)^{502} \times (501)^{503}$

- (a) 0 (b) 1 (c) 3 (d) 7 (e) 9

Q3. Find the last two digits in the following:

$(2439)^{65}$

- (a) 19 (b) 21 (c) 29 (d) None of these

Q4. The H.C.F. of two numbers is 11 and their L.C.M. is 7700. If one of the numbers is 275, then the other is:

- (a) 279 (b) 283 (c) 308 (d) 318

Q5. On dividing a number by 56, we get 29 as remainder. On dividing the same number by 8, what will be the remainder ?

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

Q6. If n is a natural number, then $(6n^2 + 6n)$ is always divisible by:

- (a) 6 only (b) 6 and 12 both (c) 12 only (d) 18 only

Q7. A 3-digit number $4a3$ is added to another 3-digit number 984 to give a 4-digit number $13b7$, which is divisible by 11. Then, $(a + b) = ?$

- (a) 10 (b) 11 (c) 12 (d) 15

Q8. If the product $4864 \times 9P2$ is divisible by 12, then the value of P is:

- (a) 2 (b) 5 (c) 6 (d) 8 (e) None of these

Q9. When a number is divided by 13, the remainder is 11. When the same number is divided by 17, then remainder is 9. What is the number ?

- (a) 339 (b) 349 (c) 369 (d) None of these

Q10. what least number should be added to 4343 to make it a perfect square?

- (a) 12 (b) 13 (c) 23 (d) 53

Answer key

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

