Number System

Practice Exercise:

Type F:Cyclicity

- 1. Find the unit digit in the product of 646 X 252 X 119?
- a)6 b)2 c)8 d)4
- 2. Find the unit digit of $(23)^{65}$?
- a)5 b)9 c)3 d)7
- 3. Find the unit digit of 10!/100?
- a)4 b)6 c)8 d)2
- 4. Number of Zeros at the end of $(2^{26}-2^{25}-2^{24})X(3^{98}-3^{97}-3^{96})$
- a)2 b)1 c)4 d)0
- 5. The product of three consecutive number is 3360. What Is the least number?
- a)17 b)14 c)13 d)16
- 6. Find the unit digit of $(2^3)^4 \times (9^{10})^{11} \times (4^5)^6 \times (6^7)^8$?
- a)2 b)4 c)6 d)8
- 7. What is the total number of digit printed if a number written from 1 to 150?
- a)262 b)342 c)360 d)450
- 8. The unit digit of (12345k)⁷² is 6. The value of K is:
- a)6 b)8 c)2 d)All of these
- 9. The unit digit of $(316)^{3*4n} + 1$ is:
- a)4 b)5 c)1 d)7
- 10. Find the reminder of 7¹¹¹ is divided by 4.
- a)2 b)3 c)5 d)6

Type G: Remainder

- 1. If (1!+2!+3!+4!+.....+100!) when divided by 4 would leave a reminder-
- a)0 b)1 c)2 d)2 or 3

2. Find the reminder when (258)⁶⁰⁰ is divided by 256?

- a)1 b)2 c)31 d)None of these
- 3. Find the reminder of $2^{333} / 3^2$?
- a)1 b)2 c)4 d)8
- 4. Find the reminder when 12⁹ is divided by 5.
- a)2 b)3 c)4 d)1
- 5. Find the reminder when 1!+2!+3!+4!+.....+92! Is divided by 8?
- a)1 b)5 c)4 d)3
- 6. What is the reminder of $6^{36}/215$?
- a)0 b)1 c)2 d)none of these
- 7. The reminder when $(12^{13} + 23^{13})$ is divided by 11:
- a)0 b)1 c)2 d)None of these
- 8. When we divide 15192327 by 99 the reminder will be:
- a)98 b)84 c)30 d)none of these
- 9. The reminder when $(20)^{23}$ is divided by 17 is:
- a)11 b)3 c)6 d)can't be determine
- 10. The reminder when 2³⁹ is divided by 39 is:
- a)0 b)2 c)8 d)1