

## Mental Ability

### Self Evaluation Test-02 (Number System )

- What will be digit at unit place in  $222^{777}$  ?  
(a) 2 (b) 4 (c) 8 (d) 6
- What will be digit at unit place in  $(777)^{999}$  ?  
(a) 7 (b) 9 (c) 3 (d) 1
- What will be digit at unit place in  $(729)^{2729}$  ?  
(a) 1 (b) 9 (c) 6 (d) None
- If  $4^{739}$  is divided by 7, what will be remainder?  
(a) 4 (b) 6 (c) 2 (d) 1
- If  $4^{219}$  is divided by 7, then what will be remainder?  
(a) 4 (b) 6 (c) 1 (d) 2
- What will be remainder when  $256 \times 381 \times 462 \times 289$  will be divided by 11  
(a) 7 (b) 4 (c) 2 (d) 0
- What will be remainder when  $362 \times 461 \times 2761$  will be divided by 6  
(a) 2 (b) 4 (c) 1 (d) None
- If a number is divided by 5 it leaves remainder 3. But when the same no. is divided by 3 it leaves remainder 2. Then what will be remainder when the same no. will be divided by 15  
(a) 1 (b) 8 (c) 5 (d) 7
- If a number is divided by 3 and 5 successively it leaves remainder 1 and 2 respectively. What will be remainder when the same no. will be divided by 15?  
(a) 6 (b) 4 (c) 8 (d) None
- What will be remainder when  $23^{33} + 15^{33}$  is divided by 19  
(a) 12 (b) 7 (c) 1 (d) 0
- When  $13^{19} + 29^{19} + 18^{19}$  is divided by 15, what will be remainder  
(a) 1 (b) 4 (c) 2 (d) 0
- When  $41^{2010}$  is divided by 40, then the remainder will be  
(a) 0 (b) 1 (c) 10 (d) None
- The total no. of divisor of 180  
(a) 28 (b) 18 (c) 20 (d) None
- Sum of all proper divisors of 9900  
(a) 23851 (b) 23951 (c) 33852 (d) None
- Sum of all even divisors of 480  
(a) 1442 (b) 1428 (c) 1488 (d) None
- When I distributed some chocklates to my 40 students, three chocolates will be left. If I distribute the same no. of chocolates to my 40 students and my colleague Mr. Shyam, seven chocolates are left. Find the minimum no. of chocolates I have  
(a) 1247 (b) 1476 (c) 1642 (d) None
- When a number is divided by 15, it leaves a remainder of 7. What will be remainder when thrice of number is divided by 5  
(a) 3 (b) 2 (c) 1 (d) None
- How many no. are from 1 to 1000 which are divisible by 2 or 3  
(a) 166 (b) 567 (c) 667 (d) 666
- How many times digit 5 will appear from 450 to 700 (both are inclusive)  
(a) 140 (b) 150 (c) 154 (d) 155
- What will be digit at unit place in  $32^{32^{32}}$   
(a) 2 (b) 4 (c) 8 (d) 6