NUMBER SYSTEM MCQ

Q 1. Find the unit digit of $(4137)^{754}$

a. 9

b. 7

c. 3

d. 1

Correct Option:(a)

Q 2. Find the unit digit in the product $(3^{65} \times 6^{59} \times 7^{71})$

a. 1

b. 4

c. 5

d. 9

Correct Option: (b)

Q 3. If there are 6 terms in a series, then find the sum of geometric series 2, 6, 18, 54, ----

a. 758

b. 728

c. 754

d. 738

Correct Option:(b)

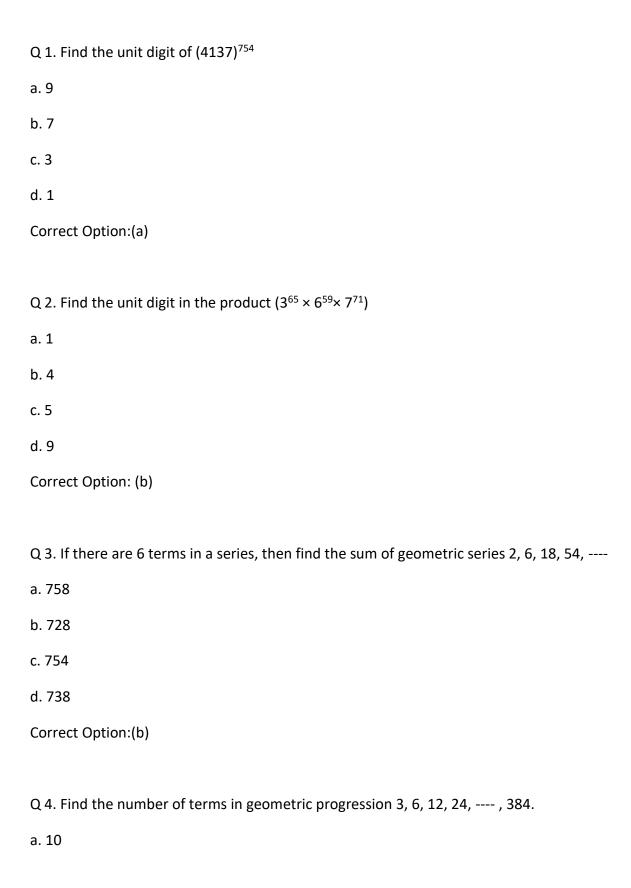Q 4. Find the number of terms in geometric progression 3, 6, 12, 24, ---- , 384.

a. 10

b. 11

c. 9

d. 8

Correct Option: (d)

Q 5. If 6 + 12 + 18 + 24 + --- = 1800, then find the number of terms in the series.

a. 21

b. 22

c. 23

d. 24

Correct Option: (d)

Q 6. 1 + 2 + 3 + ---- 50 = ?

a. 1275

b. 1350

c. 1575

d. 1455

Correct Option: (a)

Q 7. Find which of the following number is divisible by 11?

a. 246542

b. 415624

c. 146532

d. 426513

Correct Option: (b)

Q 8. Find the largest 4 digit number which is divisible by 88.

a. 8844

b. 9999

c. 9944

d. 9930

Correct Option: (c)

Q 9. Find the solution of (935421 × 625) = ?

a. 584638125

b. 524896335

c. 542879412

d. 582365890

Correct Option: (a)

Q 11. The remainder is 29, when a number is divided 56. If the same number is divided by 8, then what is the remainder?

a. 3

b. 4

c. 7

d. 5

Correct Option : (d)

Q 12. The remainder is 3, when a number is divided 5. If the square of this number is divided by 5, then what is the remainder?

a. 5

b. 4

c. 7

d. 1

Correct Option : (b)

Q 13. If the sum two numbers is 31 and their product is 240, then find the absolute difference between the numbers.

a. 1

b. 3

c. 4

d. 5

Correct Option: (a)

Q 14. Find the three consecutive odd numbers whose sum of the squares is 2531.

a. 19, 21, 23

b. 23, 25, 27

c. 27, 29, 31

d. 31, 33, 35

Correct Option: (c)

Q 15. The sum of squares of three numbers is 138 and the sum of their products taken two at a time is 131. Find their sum.

a. 35

b. 42

c. 20

d.18

Correct Option: (c)

Q 16. The average of 3 consecutive even numbers is 18, find the largest of these numbers.

a. 15

b. 16

c. 20

d. 26

Correct Option: (c)

Q 17. Find a positive number which when increased by 11 is equal to 60 times the reciprocal of the number

a. 3

b. 4

c. 6

d. 9

Correct Option: (b)

Q 18. 5 times a positive number is less than its square by 24. What is the integer?

a. 5

b. 8

c. 7.5

d. 9

Correct Option: (b)

Q 19. The product of fraction A and B is (3/49). Find the value of fraction A, if fraction A is thrice fraction B.

a. 7/9

b. 5/7

c. 3/7

d. 5/9

Correct Option: (c)

Q 20. The sum of numerator and denominator of a fraction is 30. If 2 is added to numerator and 2 is subtracted from denominator, then it becomes 2/3. Find the fraction.

a. 1/2

b. 1/3

c. 2/3

d. 1/4

Correct Option: (a)

Q 21. The denominator of a fraction is 2 more than numerator. If the numerator as well as denominator is increased by 4, the fraction becomes 8/10. Find the original fraction.

a. 2/3

b. 1/3

c. 4 /7

d. 2/5

Correct Option: (a)