Q(I) Tick (√) the correct answer for each of the following:

1. If we have to form the smallest five digit number using the digits 3,6,2,5, where we can repeat only one digit twice, then which digit is to be written twice?
   (a) 3   (b) 6   (c) 2   (d) 5

2. Which of the following numbers is the greatest?
   (a) 69853  (b) 69850  (c) 69886  (d) 69930

3. 1 Lakh is equal to
   (a) 100 hundreds  (b) 10 thousands  (c) 1000 tens  (d) 100 thousands

4. 1 crore is equal to
   (a) 10 Lakhs  (b) 10 thousands  (c) 100 Lakhs  (d) 100 thousands

5. The numeral for nine lakh nine is
   (a) 9,00,090  (b) 9,00,009  (c) 90,009  (d) 9,90,009

6. The numeral for ninety nine million, nine hundred nine is
   (a) 99,909  (b) 990,909  (c) 99,000,909  (d) 99,00,909

7. One kilogram is equal to
   (a) 100 grams  (b) 1000 milligrams  (c) 10,000 milligrams  (d) 10,00,000 milligrams

8. The number 69385 will be written as 69400 if we are estimating it to the nearest
   (a) tens  (b) hundreds  (c) thousands  (d) ten thousands

9. The Roman numeral for 59 is
   (a) LXIX  (b) LIX  (c) XLIX  (d) LX

10. The Roman numeral DCCII is equal to
    (a) 702  (b) 712  (c) 722  (d) 522

11. Which of the following numbers in Roman numerals is incorrect?
    (a) LXIV  (b) LV  (c) LC  (d) XCI

12. 9 x 1,00,000 + 8 x 10,000 + 7 x 100 + 5 x 10 + 1 x 1 is same as
    (a) 98751  (b) 987051  (c) 980751  (d) 987501

13. The product of the place value of two 5’s in 6,53,250 is
    (a) 25  (b) 25,000  (c) 2,50,000  (d) 25,00,000

14. When rounded off to nearest hundreds, the number 63,594 is
    (a) 63,600  (b) 63,590  (c) 63,500  (d) 64,000
15. The greatest number which on rounding off to nearest thousands gives 8,000 is 
(a) 8,001  (b) 8,459  (c) 8,999  (d) 8,499

16. The sum of the prime factors of 1729 is 
(a) 13  (b) 19  (c) 32  (d) 39

17. The product of successor and predecessor of 1001 is 
(a)100100  (b) 1001000  (c) 100200  (d) 1002000

18. Which of the following is not a prime number? 
(a)29  (b) 37  (c) 57  (d) 67

19. Which of the following numbers is not divisible by 5 and 10? 
(a) 4005  (b) 6040  (c) 9800  (d) 10150

20. A number is divisible by 6 if it is divisible by 
(a) 2 only  (b) 3 only  (c) both 2 and 3  (d) either 2 or 3

21. The number 4635984 is not divisible by 
(a) 3  (b) 4  (c) 8  (d) 9

22. The number 4973 * 5 will be divisible by 3 if we replace * by 
(a) 1  (b) 2  (c) 3  (d) 0

23. The number 98654 * 5 will be divisible by 11 if we replace * by 
(a) 0  (b) 1  (c) 2  (d) 3

24. Which of the following pair of numbers is co-prime? 
(a) (7,21)  (b) (9,16)  (c) (15,35)  (d) (22,24)

25. A number is divisible by both 5 and 12. The number will always be divisible by 
(a) 7  (b) 17  (c) 20  (d) 60

26. If a number is divisible by two co-prime numbers, then it is divisible by their 
(a) sum  (b) difference  (c) product  (d) quotient

27. Which of the following will not represent zero? 
(a) 0+7  (b) 0x0  (c) \( \frac{0}{5} \)  (d) 0.0

28. In which of the following expressions, prime factorization has been done ? 
(a) 48=2x2x3x4  (b) 56=2x4x7  (c) 66=2x3x11  (d) 180=2x3x5x6

29. The number of factors of 24 is 
(a) 8  (b) 7  (c) 6  (d) 5

30. Number of odd numbers between 61 and 79 is 
(a) 7  (b) 8  (c) 9  (d) 10
Q(II) Match the expressions in Column I with their values in Column II.

<table>
<thead>
<tr>
<th>Column I</th>
<th>Column II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) Six hundred four million three hundred three thousand four hundred six</td>
<td>(a) 550</td>
</tr>
<tr>
<td>(ii) Six crore four lakh thirty three thousand four Hundred six</td>
<td>(b) 640</td>
</tr>
<tr>
<td>(iii) LXV</td>
<td>(c) 500</td>
</tr>
<tr>
<td>(iv) XLV</td>
<td>(d) 600</td>
</tr>
<tr>
<td>(v) CDV</td>
<td>(e) 6,04,33,406</td>
</tr>
<tr>
<td>(vi) Estimated value of 548 to the nearest tens</td>
<td>(f) 604,303,406</td>
</tr>
<tr>
<td>(vii) Estimated value of 548 to the nearest hundreds</td>
<td>(g) 45</td>
</tr>
<tr>
<td>(viii) Estimated value of 642 to the nearest hundreds</td>
<td>(h) 65</td>
</tr>
<tr>
<td>(ix) Estimated value of 642 to the nearest tens</td>
<td>(i) 405</td>
</tr>
</tbody>
</table>

Q(III) Solve the following crossword puzzle, hints are given below:

Across
1. The smallest 4-digit number.
2. The place to the left of ones place.
3. 100 Lakh in Indian system is also called one __________.
4. The smallest 3-digit number.
5. The process of relating two numbers using the Symbols >, < or =
6. The system of numeration having all periods of three digits each.
7. The process of approximating value of a number or quantity.
8. Arrangement of numbers from the greatest to the smallest number.
9. Number of zeroes in one crore
10. The process of relating two numbers using the Symbols >, < or =
11. Number of digits in each period when the number is written in international system.
12. The numeration system in which letters I,V,L, X etc. are used.
13. The value of 111-100.
14. The system of numeration having a period of three digits and all other periods of 2-digits each.

Down
1. The smallest 4-digit number.
2. The place to the left of ones place.
3. 100 Lakh in Indian system is also called one __________.
4. The smallest 3-digit number.
5. The process of relating two numbers using the Symbols >, < or =
6. The system of numeration having all periods of three digits each.
7. The process of approximating value of a number or quantity.
8. Arrangement of numbers from the greatest to the smallest number.
9. Number of zeroes in one crore
10. The process of relating two numbers using the Symbols >, < or =
11. Number of digits in each period when the number is written in international system.
12. The numeration system in which letters I,V,L, X etc. are used.
13. The value of 111-100.
Q(IV) Match the expressions in Column I with their values in Column II.

<table>
<thead>
<tr>
<th>Column I</th>
<th>Column II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i) 4</td>
<td>(a) Multiple of 16</td>
</tr>
<tr>
<td>(ii) 5</td>
<td>(b) Multiple of 81</td>
</tr>
<tr>
<td>(iii) 1196525</td>
<td>(c) Multiple of 25</td>
</tr>
<tr>
<td>(iv) 34307</td>
<td>(d) Factor of 16</td>
</tr>
<tr>
<td>(v) 6790</td>
<td>(e) Factor of 81</td>
</tr>
<tr>
<td>(vi) 9</td>
<td>(f) Factor of 25</td>
</tr>
<tr>
<td>(vii) 64</td>
<td>(g) Divisible by 7</td>
</tr>
<tr>
<td>(viii) 75</td>
<td>(h) Divisible by 10</td>
</tr>
<tr>
<td></td>
<td>(i) Divisible by 11</td>
</tr>
</tbody>
</table>

Q(V) Solve the following crossword puzzle, hints are given below:

Across
2. Finding factors of a number.
10. Every number is a ________ of itself.
12. Smallest composite number.
13. The smallest number of two digits which is a multiple of 3.
14. Largest number of one digit.
15. If a number is divisible by two co-prime numbers, then it is ________ by their product also.

Down
1. A number which is the divisor of the given number
3. Short name of highest common factor.
4. The number of factors of a number.
5. Short name of lowest common multiple.
6. Two numbers having only 1 as a common factor.
7. A number having exactly two factors.
8. Sum of an odd and an even number.
9. Sum of two odd numbers.
11. Factor of every number.
Q1. Name the flower which blooms with sunrise and close after sunset.
Ans: 

Q2. Name the animal which do not have sweat glands.
Ans: 

Q3. How temperature of a place can be measured?
Ans: 

Q4. Give the examples of animal found only in cold region.
Ans: 

Q5. Decomposers include
(a) Bacteria (b) Fungi (c) red worms (d) animal

Q6. Air pollution is caused by
(a) Insecticides (b) sewage (c) smoke (d) loud speakers

Q7. When trees are cut amount of oxygen
(a) Increases (b) decreases (c) both (a) & (b) (d) remain same

Q8. 71% earth surface is covered with
(a) Air (b) Water (c) Land (d) Coal

Q9. Write the raw materials required for photosynthesis.
Ans: 

Q10. Jackal is a
Ans: 

Q11. What is the colour of the bin which is used for biodegradable waste?
Ans: 

Q12. The group of organisms which consume dead bodies of animal
Ans: 

Q13. Which is the chief source of energy in environment?
Ans: 

Q14. Which waste cannot be decomposed by bacteria to form compost?
Ans: 

1. Find the difference of the Place value and face value of the digit 2 in 31,24,698.

2. Write all 3-digit numbers using the digits 2, 3, 5 taking each digit only once.

3. Determine the product by suitable re-arrangement: 250 x 27 x 2 x 4

4. Find the product of 736 x 93 using the distributive property.

5. Find the value: (by using the distributive property)
   \[579 \times 7 + 579 \times 2 + 579\]

6. Find the largest 4-digit number exactly divisible by 28.

7. Simplify:
   \[27 - [5 - (28 - (29 - 7))]\]

8. Simplify:
   \[36 - [18 - (14 - (15 - 4 \div 2 \times 2))]\]

9. Estimate 7542 – 816

10. Estimate 623 x 49