*** Choose The Right Answer From The Given Options.[1 Marks Each]** **[4]**

1. How many thousands make a million?

   (A) 10 (B) 100 (C) 1000 (D) 10000

   Ans. : (C) 1000

2. (5672 – 2345) estimated to the nearest hundreds is-

   (A) 3000 (B) 3400 (C) 2000 (D) 1000

   Ans. : (B) 3400

3. The short name for number '13,78,426' is-

   (A) 13 Lakh 78 Thousand 426

   (B) Thirteen lakh seventy-eight thousand four hundred twenty-six

   (C) One million 378 thousand four hundred twenty-six

   (D) None of these

   Ans.: (A) 13 Lakh 78 Thousand 426

4. The number for the number name 'Five crore five lakh six thousand seventy' is-

   (A) 5,50,06,070 (B) 55,06,700 (C) 5,05,06,070 (D) None of these

   Ans. : (C) 5,05,06,070

*** Fill In The Blanks With Correct Alternative.[1 Marks Each]** **[6]**

5. 50 thousand ___ 5 lakh

   Ans. : <

6. 200 lakh ___ 20 million

   Ans. : =

7. 1 crore ___ 10 million

   Ans. : =

8. 7 thousand ___ 70 thousand

   Ans. : <

9. 150 lakh ___ 15 million

   Ans. : =

10. 3 crore ___ 30 million

    Ans. : =

*** Answer The Following Questions In One Sentence.[1 Marks Each]** **[5]**

11. Complete the following number pattern:
    6 × 7 = ...
    66 × 67 = ...
    666 × 667 = ...
    6666 × 6667 = ...
    66666 × 66667 = ...

    Ans. : 6 × 7 = 42
    66 × 67 = 4422
    666 × 667 = 444222
    6666 × 6667 = 44442222
    66666 × 66667 = 4444422222

12. Make necessary reasonable assumptions and answer the questions:
    If a bus covers 500 kilometres every day, can it travel 1 lakh kilometres in 6 months?

    Ans. : Total days in 6 months = 180 days.
    Distance covered = 500 × 180 = 90,000 kilometres. No, it cannot.

13. Make necessary reasonable assumptions and answer the questions:
    If a book weighs 200 g, could a person carry 500 books at once?

    Ans. : Total weight = 200 g × 500 = 100000 g = 100 kg (or 1 quintal). It's possible a person could carry 1 quintal at once.

14. Obtain the closest of the following numbers by using any operation on the values given in the boxes.

300	700	
	1500	21000
50000	8000	

    (a) 12020,
    (b) 68650,
    (c) 92480.

    Ans. : (a) 12020: Closest is 8000 + 2 × 1500 + 700 + 300 = 12000
    (b) 68650: Closest is 50,000 + 8000 × 2 + 1500 + 4 × 300 = 68700
    (c) 92480: Closest is 50,000 + 21000 × 2 + 1500 – 700 – 300 = 92500

15. How many thousands make a crore?

    Ans. : 1 crore = 1,00,00,000 = 10,000 thousands.

*** Questions With Calculation.[2 Marks Each]** **[12]**

16. Write the number 25692135 in both the Indian as well as the International systems.

Ans. : In the Indian system: Two crore fifty-six lakh ninety- two thousand one hundred thirty-five.
In the International System: Twenty-five million six hundred ninety-two thousand one hundred thirty-five.

17. The number 1,30,285, when written fully in words, one lakh thirty thousand two hundred eighty-five, has 41 letters. Give a 6-digit number name that has the most letters.

Ans. : 7,77,777
In words : Seven lakh seventy-seven thousand seven hundred seventy-seven
Let's count the letters :
→ Seven: 5 letters
→ Lakh: 4 letters
→ Seventy-seven: 7 + 5 = 12 letters
→ Thousand: 8 letters
→ Seven hundred: 5 + 7 = 12 letters
→ Seventy-seven: 12 letters
Total = 5 + 4+ 12 + 8 + 12+ 12 = 53 letters
So, 777777 has 53 letters.

18. Write the numbers given below in both the Indian as well as the International systems :
(a) 4735108
(b) 924860

Ans. : In the Indian system :
(a) 47,35,108: Forty-seven lakh thirty-five thousand one hundred eight,
(b) 9,24,860: Nine lakh twenty-four thousand eight hundred sixty
In the International system :
(a) 4,735,108: Four million seven hundred thirty-five thousand one hundred eight.
(b) 924,860: Nine hundred twenty-four thousand eight hundred sixty.

19. Complete the following number pattern :
7 × 2 = _____
77 × 2 = _____
777 × 2 = _____
7777 × 2 = _____
77777 × 2 = _____
777777 × 2 = _____

Ans. : 7 × 2 = 14
77 × 2 = 154
777 × 2 = 1554
7777 × 2 = 15554

77777 × 2 = 155554

777777 × 2 = 1555554

20. Complete the following number pattern :

33 × 31 = _____

333 × 331 = _____

3333 × 3331 = _____

33333 × 33331 = _____

Ans. : 33 × 31 = 1023

333 × 331 = 110223

3333 × 3331 = 11102223

33333 × 33331=1111022223

21. Obtain the closest of the following numbers by using any operation on the values given in the boxes.

300	7000	12000
800	1500	50000

(a) 21,500

(b) 43,950

Ans. : (a) The number closest to 21,500 can be obtained as:

12,0 × 2 – 1500 – 800 – 300 = 21,400

(b) The number closest to 43,950 can be obtained as:

12,0 × 3 + 7,000 + 3 × 300 = 43,900

*** Questions With Calculation.[3 Marks Each]** **[3]**

22. Make necessary reasonable assumptions and answer the following questions :

(a) If a computer processes 1,000 files per minute, can it process 1 crore files in a day?

(b) If a person drinks 3 litres of water daily, can they drink 1000 litres in a year?

(c) If a tap fills 600 litres of water every hour, can it fill a 100,000-litre tank in a day?

Ans. : (a) Total files processed in a day = 1000 × 60 × 24 = 14,40,0.

No, it cannot process 1 crore files in a day.

(b) Water consumed in a year = 3 × 365 = 1095 litres. Yes, it's possible that a person can drink 1,000 litres in a year.

(c) In a day (24 hours), the tap fills 600 × 24 = 14400 litres. It cannot fill the entire tank in a day.

*** Questions With Calculation.[5 Marks Each]** **[5]**

23. A calculator has only '+1,000', '+100', and '+10'buttons. Write an expression describing the number of button clicks to be made for the following numbers :

(a) 850
(b) 2,140
(c) 10,500
(d) 7,53,020

Ans. : (a) 850 : Expression: 8 × 100 + 5 × 10 = 13 clicks
(b) 2,140 : Expression: 2 × 1,000 +1 × 100+ 4 × 10 = 7 clicks
(c) 10,500 : Expression: 10 × 1,000 + 5 × 100= 15 clicks
(d) 7,53,020 : Expression: 753 × 1,000 + 2 × 10 = 755 clicks

*** case - based/data -based questions** **[4]**

The population of India in the beginning of .2025 was around 1461163352. Year by year, there has be.en an explosion of population, which is making it difficult to provide resources to every person living in the country. Taking the right measures and keeping the resources in mind will help to control the population. The population of four cities A, B, C, and D are 79836275, 67364212, 48936778, and 98796040, respectively.

Based on the above discussion, answer the following questions:

24. Write the population of India in Indian system of numeration.
25. Write the population of city D in the International system.
26. What is the total population of city A and city B?
27. What is the difference in the population of city C and city D?

Ans. : (a) 1,46,11,63,352: One arab forty-six crore eleven lakh sixty-three thousand three hundred fifty-two
(b) Ninety-eight million seven hundred ninety-six thousand forty
(c) 147,200,487
(d) 4,98,59,262

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