

**OBJECTIVE TYPE QUESTIONS****PAGE: 1.36****Mark the correct alternative in each of the following:****1. The difference between the place value and face value of 8 in 658742 is**

- (a) 0                      (b) 42                      (c) 735                      (d) 693

**Solution:**

The given options are incorrect.

Place value of 8 in 6,58,742 = 8,000

Face value of 8 = 8

Difference between them =  $8,000 - 8 = 7,992$ **2. The difference between the place values of 6 and 3 in 256839 is**

- (a) 3                      (b) 9                      (c) 6800                      (d) 5930

**Solution:**

The given options are incorrect.

Place value of 6 in 2,56,839 = 6,000

The place value of 3 in 2,56,839 = 30

Difference between them =  $6,000 - 30 = 5,970$ **3. The difference of the smallest three digit number and the largest two digit number is**

- (a) 100                      (b) 1                      (c) 10                      (d) 99

**Solution:**

The option (b) is the correct answer.

We know that

The smallest three-digit number is 100 and the largest two-digit number is 99.

So the difference between them =  $100 - 99 = 1$ **4. The largest three digit number formed by the digits 8, 5, 9 is**

- (a) 859                      (b) 985                      (c) 958                      (d) 589

**Solution:**

The option (b) is the correct answer.

We know that the largest number is formed by writing the digits in descending order.

**5. The smallest three digit number having three distinct digits is**

- (a) 123                      (b) 101                      (c) 102                      (d) 201

**Solution:**

The option (c) is the correct answer.

We know that the smallest three digit numbers are 0, 1 and 2

By arranging them in ascending order we get 012 which is a two digit number.

Hence, 102 is the smallest three digit number.

**6. The largest three digit number having distinct digits is**

- (a) 987                      (b) 789                      (c) 999                      (d) 900

**Solution:**

The option (a) is the correct answer.

The largest three digit numbers are 7, 8 and 9. The largest number is obtained by arranging them in descending order.

**7. The difference between the largest three digit number and the largest three digit number with distinct digits is**

- (a) 10                      (b) 0                      (c) 12                      (d) 13

**Solution:**

The option (c) is the correct answer.

We know that Largest three digit number = 999

Largest three-digit number with distinct digits = 987

Difference between them =  $999 - 987 = 12$

**8. The product of the place values of two threes in 53432 is**

- (a) 9000                      (b) 90000                      (c) 10000                      (d) 99000

**Solution:**

The option (b) is the correct answer.

We know that 3 in the second place from right is at tens place.

So the place value of 3 at tens place = 30

We know that 3 in the fourth place from right is at thousands place.

So the place value of 3 at thousands place = 3,000

Product of the place values =  $3,000 \times 30 = 90,000$

**9. The smallest counting number is**

- (a) 0                      (b) 1                      (c) 10                      (d) None of these

**Solution:**

The option (b) is the correct answer.

We know that the smallest digit is zero and the smallest counting number is 1.

**10. The total number of 4 digit numbers is**

- (a) 8999                      (b) 9000                      (c) 8000                      (d) 9999

**Solution:**

The option (b) is the correct answer.

We know that the smallest four digit number = 1,000

Largest four digit number = 9,999.

So the total number of four-digit numbers =  $[9,999 - 1,000] + 1 = 9,000$

**11. The number of 3 digit numbers formed by using digits 3, 5, 9, taking each digit exactly once, is**

- (a) 3                      (b) 4                      (c) 5                      (d) 6

**Solution:**

The option (d) is the correct answer.

359, 395, 539, 593, 935 and 953 are the numbers.

**12. Total number of numbers which when rounded off to nearest ten give us 200 is**

- (a) 9                      (b) 10                      (c) 8                      (d) 7

**Solution:**

The option (b) is the correct answer.

195, 196, 197, 198, 199, 200, 201, 202, 203, 204 are the numbers that when rounded off to nearest ten give us 200.

**13. The smallest number which when rounded off to the nearest hundred as 600, is**

- (a) 550                      (b) 595                      (c) 604                      (d) 599

**Solution:**

The option (a) is the correct answer.

The number from 550 to 649 are rounded off to the nearest hundred as 600. Hence, the smallest number is 550.

**14. The greatest number which when rounded off to the nearest thousand 7000, is**

- (a) 6500                      (b) 6549                      (c) 7499                      (d) 6499

**Solution:**

The option (c) is the correct answer.

Numbers from 6500 to 7499 are rounded off to the nearest thousand as 7000. Hence, the greatest number is 7499.

**15. The difference between the greatest and smallest numbers which when rounded off a number to the nearest tens as 540, is**

- (a) 10                      (b) 9                      (c) 8                      (d) 10

**Solution:**

The option (b) is the correct answer.

We know that the greatest number that when rounded off to the nearest tens will become  $540 = 544$

Least number that when rounded off to the nearest tens will become  $540 = 535$

So, the difference between them  $= 544 - 535 = 9$

**16. The difference between the greatest and smallest numbers which when rounded off a number to the nearest hundred as 6700, is**

- (a) 100                      (b) 99                      (c) 98                      (d) 101

**Solution:**

The option (b) is the correct answer.

We know that the greatest number which when rounded off to the nearest hundred will become  $6,700 = 6749$

Least number which when rounded off to the nearest hundred will become  $6,700 = 6650$

So, the difference between them  $= 6,749 - 6,650 = 99$

**17. The difference between the greatest and the smallest numbers which when rounded off to the nearest thousand as 9000, is**

- (a) 1000                      (b) 990                      (c) 999                      (d) 900

**Solution:**

The option (c) is the correct answer.

We know that the greatest number which when rounded off to the nearest thousand becomes  $9,000 = 9499$

Smallest number which when rounded off to the nearest thousand becomes  $9,000 = 8500$

So, the difference between them  $= 9,499 - 8,500 = 999$

**18. Which of the following numbers is equal to 1 billion?**

- (a) 10 lakh                      (b) 1 crore                      (c) 10 crore                      (d) 100 crore

**Solution:**

The option (d) is the correct answer.

1 billion = 100 crore

**19. In the international place value system, we write one million for**

- (a) 1 lakh                      (b) 10 lakh                      (c) 100 lakh                      (d) 1 crore

**Solution:**

The option (b) is the correct answer.

One million = 10 lakh

**20. Which of the following is not meaningful?**

- (a) XIV                      (b) XXXV                      (c) XXV                      (d) VX

**Solution:**

The option (d) is the correct answer.

In Roman numerals V is 5 and X is 10

5 cannot be written before 10

**21. Which of the following is not meaningful?**

- (a) XXII                      (b) XII                      (c) XVV                      (d) XIV

**Solution:**

The option (c) is the correct answer.

In Roman numerals V is 5 and X is 10

5 cannot be written two times.