

PSAT Interview Questions And Answers Guide.



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PSAT Job Interview Preparation Guide.

Question # 1

A certain number when successfully divided by 8 and 11 leaves remainders of 3 and 7 respectively. What will be remainder when the number is divided by the product of 8 and 11, viz 88?

Answer:-

1. 3
2. 21
3. 59
4. 68

Ans :C

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Question # 2

Let n be the number of different 5 digit numbers, divisible by 4 with the digits 1, 2, 3, 4, 5 and 6, no digit being repeated in the numbers. What is the value of n?

Answer:-

1. 144
2. 168
3. 192
4. None of these

Ans :C

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Question # 3

What is the total number of different divisors of the number 7200?

Answer:-

1. 20
2. 4
3. 54
4. 32

Ans :C

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Question # 4

Find the greatest number of five digits, which is exactly divisible by 7, 10, 15, 21 and 28.

Answer:-

1. 99840
2. 99900
3. 99960
4. 99990

Ans :C

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Question # 5

A number when divided by a divisor leaves a remainder of 24. When twice the original number is divided by the same divisor, the remainder is 11. What is the value of the divisor?

Answer:-

1. 13
2. 59
3. 35
4. 37



Ans : D

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Question # 6

Given $A = 265$ and $B = (264+263+262+\dots+20)$

Answer:-

1. B is 264 larger than A
2. A and B are equal
3. B is larger than A by 1
4. A is larger than B by 1

Ans :D

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Question # 7

What is the least number that should be multiplied to 100! to make it perfectly divisible by 350?

Answer:-

1. 144
2. 72
3. 108
4. 216

Ans :B

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Question # 8

When 242 is divided by a certain divisor the remainder obtained is 8. When 698 is divided by the same divisor the remainder obtained is 9. However, when the sum of the two numbers 242 and 698 is divided by the divisor, the remainder obtained is 4. What is the value of the divisor?

Answer:-

1. 11
2. 17
3. 13
4. 23

Ans :C

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Question # 9

Solve the inequality $33x - 2 > 1$

Answer:-

1. $x > 1$
2. $x > 3$
3. $x > 2/3$
4. $x > 1/3$

Ans :C

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Question # 10

The largest number amongst the following that will perfectly divide $101100 - 1$ is

Answer:-

1. 100
2. 10000
3. 100100
4. 100000

Ans : 2

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Question # 11

What is the total number of different divisors including 1 and the number that can divide the number 6400?

Answer:-

1. 24
2. 27
3. 54
4. 68

Ans :B

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Question # 12

How many four digit numbers exist which can be formed by using the digits 2, 3, 5 and 7 once only such that they are divisible by 25?

Answer:-



1. $4! - 3!$
2. 4
3. 8
4. 6

Ans :B

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Question # 13

The sum of third and ninth term of an A.P is 8. Find the sum of the first 11 terms of the progression.

Answer:-

1. 44
2. 22
3. 19
4. None of these

Ans :A

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Question # 14

A piece of equipment cost a certain factory Rs. 600,000. If it depreciates in value, 15% the first year, 13.5% the next year, 12% the third year, and so on, what will be its value at the end of 10 years, all percentages applying to the original cost?

Answer:-

1. 2,00,000
2. 1,05,000
3. 4,05,000
4. 6,50,000

Correct answer- B

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Question # 15

What is the highest power of 7 in $5000!$? ($5000!$ means factorial 5000)

Answer:-

1. 4998
2. 714
3. 832
4. 816

Ans :C

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Question # 16

What is the remainder when $91 + 92 + 93 + \dots + 99$ is divided by 6?

Answer:-

1. 0
2. 3
3. 4
4. None of these

Ans :B

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Question # 17

How many times will the digit 0 appear between 1 and 10,000?

Answer:-

1. 4000
2. 4003
3. 2893
4. 3892

Ans :C

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