



Number Series Questions for SSC JE Set-2 PDF

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Instructions

In each of the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

Question 1

325, 259, 204, 160, 127, 105, ?

- A 94
- B 96
- C 98
- D 100

Answer: A

Explanation:

here the given pattern is 325, 259, 204, 160, 127, 105, ?

and so let the missing number be y

here we can see that

$$259 - 325 = -66$$

$$204 - 259 = -55$$

$$160 - 204 = -44$$

$$127 - 160 = -33$$

$$105 - 127 = -22$$

here we can see that every time the difference is reducing by -11

$$\text{so, } y - 105 = -11$$

$$y = 94$$

Instructions

For the following questions answer them individually

Question 2

Which number is wrong in the given series?

12439, 23549, 34659, 45769

- A 34659
- B 23549
- C 45769
- D 12439

Answer: A

Explanation:

here we need to find the wrong number in 12439, 23549, 34659, 45769

as we will add the digits of every number

$$12439 : 1+2+3+4+9 = 19$$

$$23549 : 2+3+5+4+9 = 23$$

$$34659 : 3+4+6+5+9 = 27$$

$$45769 : 4+5+7+6+9 = 31$$

As we can see that in very case the sum of digits of number is a prime number except in case of 34659 and hence 34659 is the odd one out

Instructions

A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

Question 3

361, ?, 169, 121, 49, 25.

- A 289
- B 196
- C 256
- D 324

Answer: A

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Question 4

127, 131, 139, ?, 151, 157, 163, 167.

- A 141
- B 143
- C 147
- D 149

Answer: C

Instructions

For the following questions answer them individually

Question 5

Find out the incorrect term in the series.

2, 5, 10, 3, 6, 18, 4, 7, 30

- A 6
- B 7
- C 30
- D 10

Answer: C

Question 6

Select the number that can replace the question mark (?) in the following series.

101, 106, 116, 131, 151, ?

- A 156
- B 146

C 166

D 176

Answer: D

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Question 7

Which number will replace the question mark (?) in the following series?

28, 32, 48, 84, ?

A 150

B 152

C 154

D 148

Answer: D

Question 8

Select the number that can replace the question mark (?) in the following series.

11, 14, 31, 14, 16, 34, 17, 18, 37, ?, 20, ?

A 21, 41

B 20, 41

C 21, 40

D 20, 40

Answer: D

Question 9

In the following number series two numbers have been put within brackets. Study the series carefully and select the correct alternative with respect to the series.

5, 11, 18, (25), 35, (45), 56

A Both the bracketed numbers are incorrect

B The first bracketed number (from the left) is correct and the second is incorrect.

C Both the bracketed numbers are correct.

D The first bracketed number (from the left) is incorrect and the second is correct.

Answer: D

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Question 10

Select the number that can replace the question mark (?) in the following series.

2807, 1400, 697, ? , 171, 84

- A 697
- B 84
- C 371
- D 346

Answer: D

Question 11

Which number will replace the question mark (?) in the following series?
10, 17, 31, 52, 80, ?

- A 115
- B 125
- C 135
- D 105

Answer: A

Question 12

In the following question, select the number which can be placed at the sign of question mark (?) from the given alternatives.

| | | |
|----|----|----|
| 5 | 1 | 3 |
| 9 | 9 | 4 |
| 6 | ? | 7 |
| 29 | 22 | 18 |

- A 5
- B 3
- C 6
- D 4

Answer: B

Explanation:

consider the first column

here add $5 + 6 + 2 \times 9 = 29$

now consider the last column

here add $3 + 7 + 2 \times 8 = 18$

following the same pattern

we get $1 + x + 2 \times 9 = 22$

$x + 19 = 22$

$x = 3$

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Instructions

Select the number that can replace the question mark (?) in the following series.

Question 13

16, 17, 23, 18, 19, 26, 20, 21, 29, 22, ?, ?

- A 32, 23
- B 25, 36
- C 36, 25
- D 23, 32

Answer: D

Instructions

For the following questions answer them individually

Question 14

Select the number that can replace the question mark (?) in the following series.

8, 8, 16, 48, ?

- A 196
- B 192
- C 190
- D 216

Answer: B

Explanation:

$$8 \times 1 = 8$$

$$8 \times 2 = 16$$

$$16 \times 3 = 48$$

$$48 \times 4 = 192$$

So, the answer would be option b)192.

Question 15

Which number will replace the question mark (?) in the following series?

1, 2, 6, 24, 120, ?

- A 240
- B 570
- C 720
- D 360

Answer: C

Explanation:

| | | | | | |
|----|------------|------------|------------|------------|------------|
| 1, | 2, | 6, | 24, | 120, | 720 |
| | $\times 2$ | $\times 3$ | $\times 4$ | $\times 5$ | $\times 6$ |

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