



## Number Analogy Questions for SSC CGL PDF

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### Instructions

In the following questions, select the related letters/word/number from the given alternatives.

#### Question 1

10 : 91 :: 9 : ?

- A 69
- B 82
- C 89
- D 97

Answer: B

#### Explanation:

Expression = 10 : 91 :: 9 : ?

The pattern followed is =  $n : 9n + 1$

Eg = 10 :  $9 \times 10 + 1 = 10 : 91$

Similarly,  $9 \times 9 + 1 = 81 + 1 = 82$

=> Ans - (B)

#### Question 2

7:56::9:?

- A 63
- B 81
- C 90
- D 99

Answer: C

#### Explanation:

Expression = 7:56::9:?

The pattern followed is =  $n : n^2 + n$

Eg = 7 :  $7^2 + 7 = 7 : 56$

Similarly,  $9^2 + 9 = 81 + 9 = 90$

=> Ans - (C)

#### Question 3

20 : 50 :: 100 : ?

- A 150
- B 250
- C 200
- D 156

Answer: B

**Explanation:**

Expression =  $20 : 50 :: 100 : ?$

The pattern followed is =  $n : 2.5n$

Eg =  $20 : 20 \times 2.5 = 20 : 50$

Similarly,  $100 \times 2.5 = 250$

=> Ans - (B)

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**Instructions**

For the following questions answer them individually

**Question 4**

Select the related word/letters/number from the given alternatives.

School : Teacher :: Hospital : ?

- A Clerk
- B Doctor
- C Student
- D Patient

**Answer:** B

**Explanation:**

A teacher teaches in a school, similarly a doctor operates in a hospital.

=> Ans - (B)

**Question 5**

Select the related word/letters/number from the given alternatives.

JY : 35 :: RT : ?

- A 48
- B 38
- C 35
- D 24

**Answer:** B

**Explanation:**

Expression = JY : 35 :: RT : ?

Numerical values of the respective letters are added.

Eg :- J = 10, Y = 25  $\equiv 10 + 25 = 35$

Similarly, R = 18, T = 20  $\equiv 18 + 20 = 38$

=> Ans - (B)

**Question 6**

Select the related word/letters/number from the given alternatives.

AD : N :: BD : ?

- A P
- B X
- C Y
- D Z



**Answer: B**

**Explanation:**

Expression =  $AD : N :: BD : ?$

Numerical values of the corresponding alphabets are concatenated.

Eg :-  $A = 1, D = 4 \equiv 14 = N$

Similarly,  $B = 2, D = 4 \equiv 24 = X$

=> Ans - (B)

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**Question 7**

Select the related word/letters/number from the given alternatives.

$97 : 2 :: 84 : ?$

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

**Answer: A**

**Explanation:**

Expression =  $97 : 2 :: 84 : ?$

The pattern followed is that the second number is the difference of the digits of the first number.

Eg :-  $9 - 7 = 2$

Similarly,  $8 - 4 = 4$

=> Ans - (A)

**Question 8**

Select the related word/letters/number from the given alternatives.

**Dissemble : Feign :: Divulge : ?**

- A Mollify
- B Request
- C Agree
- D Disclose

**Answer: D**

**Explanation:**

Dissemble and feign are synonyms meaning to conceal or disguise. Similarly, synonym of divulge is disclose.

=> Ans - (D)

**Question 9**

Select the related word/letters/number from the given alternatives.

EF : OP :: ? : ST

- A GH
- B LM
- C JK
- D IJ

**Answer: D**

**Explanation:**

Expression = EF : OP :: ? : ST

The pattern followed is :

E	F
(+10)	(+10)
O	P

Similarly, IJ : ST

I	J
(+10)	(+10)
S	T

=> Ans - (D)

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**Question 10**

Select the related word/letters/number from the given alternatives.

TZ : GA :: QR : ?

- A KN
- B RS
- C NQ
- D JI

**Answer: D**

**Explanation:**

Expression = TZ : GA :: QR : ?

Alphabets at the corresponding position from the *reverse* end are written.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
↓	↓	...																					...	↓	
Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A

Similarly, QR : JI

=> Ans - (D)

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