



## SSC CHSL 2 July 2019 Shift-2

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## Reasoning

### Instructions

For the following questions answer them individually

### Question 1

Arrange the following words in a logical and meaningful order.

1. Results
2. Campaign
3. Sworn
4. Nominations
5. Polling

- A 5, 2, 4, 1, 3
- B 4, 5, 2, 1, 3
- C 4, 2, 5, 1, 3
- D 5, 4, 2, 1, 3

**Answer:** C

### Explanation:

For election first of all we have to give the nomination, then we can organize the campaign, then polling of votes is done and after that result is declared. Finally swearing is done.

So correct order is option C.

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### Question 2

If PEAR is coded as 7519 and TOIL is coded as 2693, then how will DOCTOR be coded ?

- A 463239
- B 463729
- C 463296
- D 463269

**Answer:** D

### Explanation:

Alphabetical order of PEAR = 16, 5, 1, 18 = 7519 we will add the digits of two digits numbers.

Alphabetical order of TOIL = 20, 15, 9, 12 = 2693 we will add the digits of two digits numbers.

Alphabetical order of DOCTOR = 4, 15, 3, 20, 15, 18 = 463269 we will add the digits of two digits numbers.

### Question 3

Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

LENOVO : EKISSQ :: FINGER : \_\_\_\_\_

- A YOIKCT
- B YOIKBT
- C YNIKBT

D YOIJBT

Answer: B

Explanation:

L	E	N	O	V	O	F	I	N	G	E	R
-7	+6	-5	+4	-3	+2	-7	+6	-5	+4	-3	+2
E	K	I	S	S	Q	Y	O	I	K	B	T

Question 4

In a code language, TABLEPADS is written as BADCYGAPJ. How will BACKSPACE be written as in that language?

A DAEBJGAEY

B DEIBJGEIY

C DAIBJGAIY

D DAJBJGAJY

Answer: C

## SSC CHSL Free Mock Test

Question 5

The sum of the squares of three numbers is 336 and the ratio of the first and the second as also of the second and the third is 1 : 2. Then find the difference of third and first number?

A 10

B 12

C 14

D 16

Answer: B

Explanation:

Let the number be  $x$ ,  $2x$ ,  $4x$

According to the question,

$$x^2 + 4x^2 + 16x^2 = 336$$

$$21x^2 = 336$$

$$x^2 = 16$$

$$x = 4$$

Required difference =  $16 - 4 = 12$

Question 6

If MARBLES is coded as 181132192512 and INVITED is coded as 221969942520, then how will COMPARE be coded as?

A 1322531253221

B 1322531652241

C 1322531653241

D 1312531653241

Answer: C

Question 7

Select the set in which the numbers are related in the same way as are the numbers of the following set.  
(8, 101, 35)

A (6, 76, 27)

B (11, 136, 47)

C (9, 121, 39)

D (7, 89, 31)

Answer: D

Explanation:

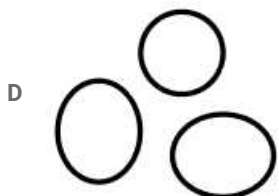
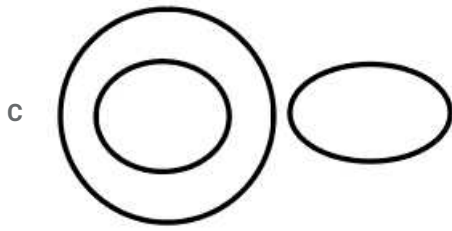
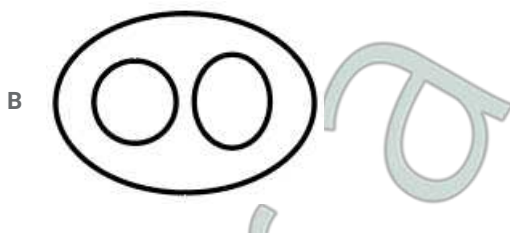
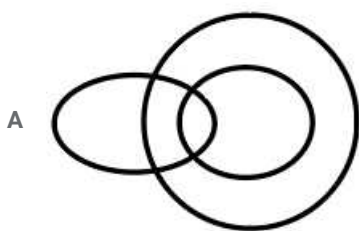
(8, 101, 35) pattern is  $12 \times 8 + 5 = 101$  and  $35 \times 3 - 4 = 101$

(7, 89, 31) in the same way  $12 \times 7 + 5 = 89$  and  $31 \times 3 - 4 = 89$

## SSC CHSL Previous Papers (DOWNLOAD PDF)

Question 8

Select the Venn diagram that best illustrates the relationship between the following classes.  
Mothers, Women, Pilots



Answer: A

**Explanation:**

All mothers are women and some mothers and some women may be pilot.

**Question 9**

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

4, 10, 27, 140, ?

- A 379
- B 397
- C 973
- D 937

**Answer: C**

**Explanation:**

4, 10, 27, 140, ?

$$4 \times 2 + 2 = 10$$

$$10 \times 3 - 3 = 27$$

$$27 \times 5 + 5 = 140$$

$$140 \times 7 - 7 = 973$$

Answer is 973.

**Question 10**

Select the option that is related to the third number in the same way as the second number is related to the first number.

81 : 63 :: 74 : \_\_\_\_

- A 33
- B 13
- C 43
- D 23

**Answer: A**

**Explanation:**

(81:63) pattern is  $(8 + 1) \times (8 - 1) = 63$

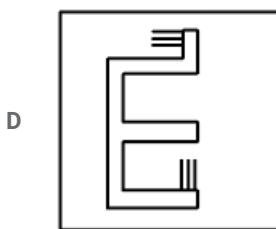
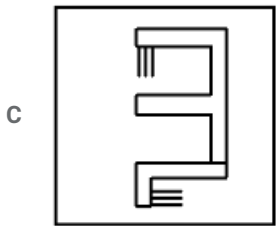
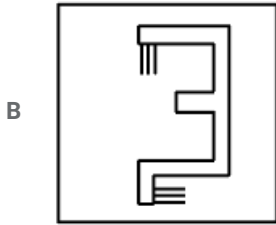
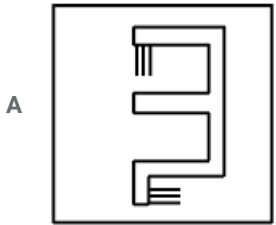
In the same way  $(7 + 4) \times (7 - 4) = 33$

## SSC CGL Previous Papers (DOWNLOAD PDF)

**Question 11**

Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.





Answer: A

Explanation:

If mirror is placed right of the figure then left will become right and right will become left. Top and bottom will remain same.

Question 12

In a certain code, SLUMBER is coded as PORPYHO. How would PURPOSE be written in that same code?

A MXOSLVB

B OTQONRD

C SRUMRPG

D QVSQPTF

Answer: A

Explanation:

S	L	U	M	B	E	R	P	U	R	P	O	S	E
-3	+3	-3	+3	-3	+3	-3	-3	+3	-3	+3	-3	+3	-3
P	O	R	P	Y	H	O	M	X	O	S	L	V	B

Question 13

Select the term that will come next in the following series.

3, 27, 243, 2187, \_\_\_

A 13561

B 21377

C 27139

D 19683

Answer: D

Explanation:

$$3 \times 9 = 27$$

$$27 \times 9 = 243$$

$$243 \times 9 = 2187$$

$$2187 \times 9 = 19683$$

## SSC CGL Free Mock Test (Latest Pattern)

### Question 14

Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.  
ab\_bcab\_b\_ab\_bcab\_bc

A dcdcd

B cdcdc

C ccdcc

D ddcdd

Answer: D

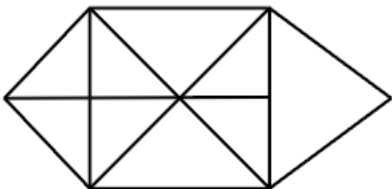
Explanation:

putting letters of option D in the series then it will complete the series.

a b d b c a b d b c a b d b c a b d b c

### Question 15

How many triangles are present in the following figure ?



A 18

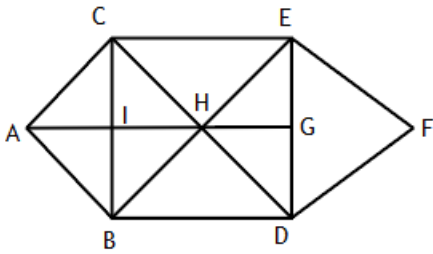
B 20

C 14

D 16

Answer: A

Explanation:



Total numbers of triangles = ABC, AIB, AIC, CIH, BIH, BCH, BCE, HCE, BDH, EDH, BDE, HEG, DHG, DEF, DCE, BDC, ACH, ABH = 18.

**Question 16**

Gopal's age is the cube of a number. It was the square of a number two years ago. What is his age?

- A 9
- B 62
- C 64
- D 27

**Answer:** D

**Explanation:**

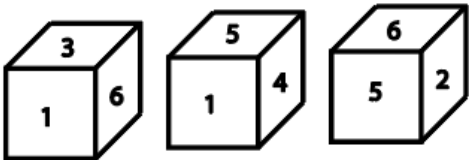
Go through the option,

27 is the cube of 3 and 2 years ago  $27 - 2 = 25$  which is square of 5. So Gopal age will be 27 years.

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**Question 17**

Three different positions of a dice are shown below. Which number appears on the face opposite the number 6 ?



- A 3
- B 1
- C 4
- D 5

**Answer:** C

**Explanation:**

Take two dice which contain common numbers . ex. we take last two dice 5 is same in both dice .

now start with common number and write in clockwise direction

5 4 1

5 6 2 ..now we see

4 is opposite of 6



**Question 18**

Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.  
Candle : Illuminate

- A Refrigerator : Cool
- B Oven : Grind
- C Fan : Suffocation
- D Bulb : Dark

**Answer:** A

**Explanation:**

Candle illuminates light in the same way refrigerator cools

**Question 19**

Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

- A 6394
- B 2936
- C 4638
- D 3864

**Answer:** A

**Explanation:**

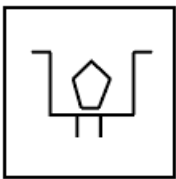
Pattern is product of first two digit and last two digit is equal.

$2936 = 2 \times 9 = 3 \times 6$  all the option except option A is following the same pattern.

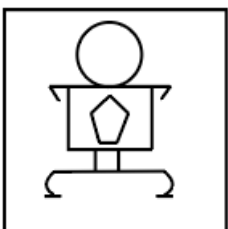
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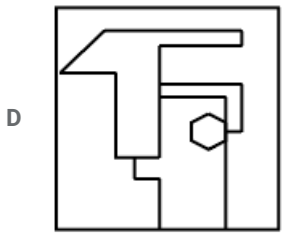
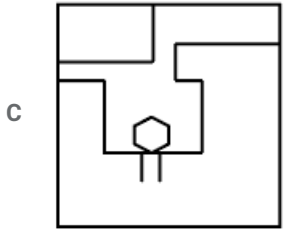
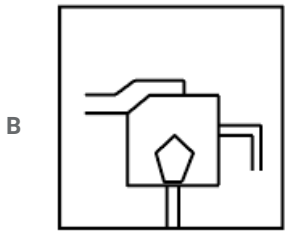
**Question 20**

Select the option in which the given figure is embedded.



A

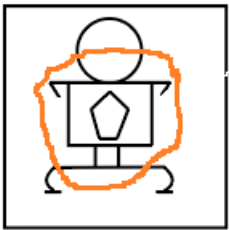




Answer: A

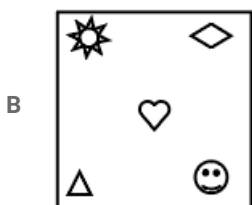
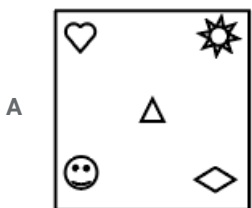
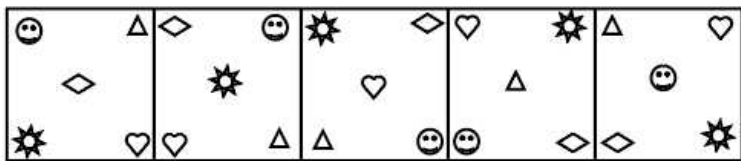
Explanation:

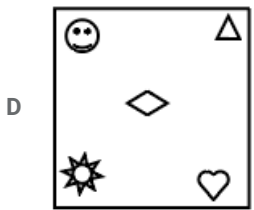
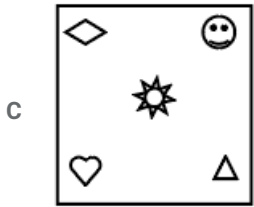
The given figure is embedded in option A.



Question 21

Select the figure that will come next in the following figure series.





Answer: D

**Explanation:**

If we see the 1st figure then bottom left corner symbol is star and this star symbol placed in centre of the second diagram again the bottom left corner symbol of second figure is heart and it placed to the centre in the next figure and this pattern is carry on. So, option D will be our answer.

**Question 22**

'Iraq' is related to 'Dinar' in the same way as 'Myanmar' is related to '\_\_\_\_\_'

- A Lira
- B Rand
- C Yen
- D Kyat

Answer: D

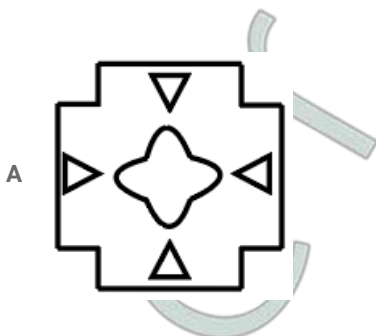
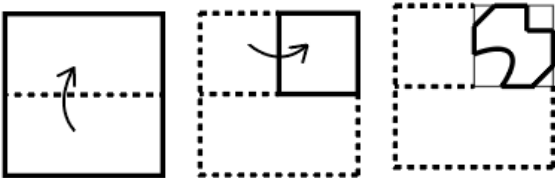
**Explanation:**

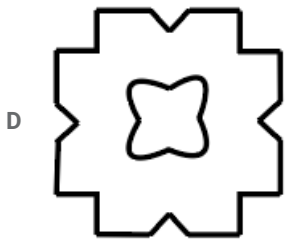
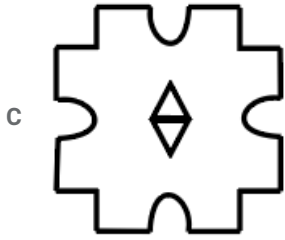
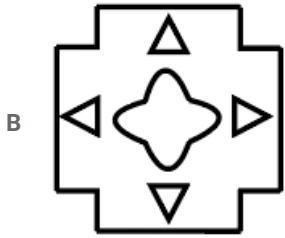
Currency of Iraq is Dinar and Currency of Myanmar is Kyat.

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**Question 23**

A paper is folded and cut as shown below. How will it appear when unfolded ?





Answer: D

**Explanation:**

If we see from the last then we will observe that figure of option D will appear when unfolded.

**Question 24**

Select the set in which the numbers are related in the same way as are the numbers of the following set.  
(3, 13, 196)

A (5, 15, 350)

B (6, 16, 569)

C (4, 14, 441)

D (2, 12, 287)

Answer: A

**Explanation:**

$$(3, 13, 196) = 3^3 + 13^2 = 27 + 169 = 196$$

$$(5, 15, 350) = 5^3 + 15^2 = 125 + 225 = 350$$

**Question 25**

Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

A AWDZ

B UQJF

C OKPL

D IDWS

Answer: D

**Explanation:**

In AWDZ, A-Z and W-D are opposite letters.

UQJF --> U-F and Q-J are opposite letters.

OKPL --> O-L and K-P are opposite letters.

IDWS --> I-L are not opposite letters.

Hence, IDWS is odd letter cluster.

## Daily Free SSC Practice Set

### General knowledge

**Instructions**

For the following questions answer them individually

**Question 26**

Which of the following gases has an odour that is similar to the odour of rotten eggs?

- A Ammonia
- B Chlorine
- C Hydrogen Sulfide
- D Dimethylcyclohexane

**Answer: C**

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**Question 27**

Name the element that must be present in a compound to classify it as an organic compound.

- A Zinc
- B Iron
- C Carbon
- D Ammonia

**Answer: C**

**Question 28**

Which of the following rivers is popularly known as 'Dakshin Ganga'?

- A Periyar
- B Godavari
- C Krishna
- D Tungabhadra

**Answer: B**

**Question 29**

In December 2016, the National Payments Corporation of India developed a mobile payment app named as \_\_\_\_\_

- A NAKUL
- B JANAK
- C GANDIV
- D BHIM

**Answer: D**

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**Question 30**

In 1872, Lord Mayo, the Viceroy of India was assassinated in \_\_\_\_\_

- A Kolkata
- B Diu
- C Delhi
- D Port Blair

**Answer: D**

**Question 31**

In the world of computers, what is 'Ubuntu'?

- A Latest financial software package by Infosys
- B A firewall developed by Microsoft
- C An ERP system from SAP
- D Open source Linux operating system

**Answer: D**

**Question 32**

The famous Dwarkadhish Temple of Gujarat is located on the banks of which of the following rivers?

- A Luni
- B Tapti
- C Narmada
- D Gomti

**Answer: D**

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**Question 33**

The 124<sup>th</sup> Amendment Bill, 2019 deals with:

- A Economic Reservation
- B Triple Talaq
- C GST
- D Privatisation of Air India

**Answer: A**

**Question 34**

The mother of Mahatma Gandhi was:

- A Heerabai
- B Putlibai
- C Kamlabai
- D Kasturbabai

**Answer: B**

**Question 35**

Ram Vilas Paswan is the president of which party?

- A Republican Party of India
- B Samajwadi Party
- C Lok Janshakti Party
- D Bahujan Samaj Party

**Answer: C**

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**Question 36**

Which of the following cities houses the headquarters of the Union Bank of India?

- A Kolkata
- B Lucknow
- C Mangalore
- D Mumbai

**Answer: D**

**Question 37**

After the swearing in of the new Union government in May, who of the followings was allocated the portfolio of Youth Affairs and Sports?

- A Smriti Irani
- B K Muralidharan
- C Kiren Rijiju
- D Pratap Chandra Sarangi

**Answer: C**

**Question 38**

**In the context of international banking transactions what is the full form of SWIFT?**

- A Society for Worldwide International Financial Transactions
- B Society for Worldwide International Financial Telecommunication
- C Society for Worldwide Interbank Financial Telecommunication
- D Society for Wireless International Financial Transactions

**Answer: C**

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**Question 39**

**Greta Thunberg, the teenage sensation and global climate change crusader is from which of the following European countries ?**

- A Sweden
- B Finland
- C Belgium
- D Germany

**Answer: A**

**Question 40**

**In computer terminology, what is the full form of RAM?**

- A Regular Access Memory
- B Repeated Access Memory
- C Rapid Access Memory
- D Random Access Memory

**Answer: D**

**Question 41**

**Which colour saree embellished with bright golden borders is worn by the dancers of Mohiniyattam?**

- A Deep red /red
- B White/off-white



- C Sea blue /blue
- D Parrot green /green

**Answer: B**

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### Question 42

Which of the following activities by Benjamin Franklin led him to gain a better understanding of lightning and eventually to the invention of the lightning rod?

- A Practising on a piano
- B Swimming in a river
- C Flying a kite
- D Riding a horse

**Answer: C**

### Question 43

The 72<sup>nd</sup> Annual Cannes Film Festival 2019 was held in \_\_\_\_\_.

- A Italy
- B France
- C United Kingdom
- D Russia

**Answer: B**

### Question 44

Who is the Vice Captain of the Indian team that is playing the World Cup 2019 in England ?

- A Rohit Sharma
- B Hardik Pandya
- C MS Dhoni
- D Shikhar Dhawan

**Answer: A**

## SSC CHSL Free Mock Test

### Question 45

Which of the following types of bank accounts does NOT earn any interest for the account holder?

- A Pension Account
- B Recurring Deposit Account

- C Current Account
- D Savings Account

**Answer: C**

**Question 46**

**Bangladesh defeated \_\_\_\_\_ in their very first match of ODI(One Day International) World Cup held in England.**

- A West Indies
- B New Zealand
- C Pakistan
- D South Africa

**Answer: D**

**Question 47**

**The city of Belagavi is located in the state of:**

- A Kerala
- B Karnataka
- C Gujarat
- D Tamil Nadu

**Answer: B**

## **SSC CHSL Previous Papers (DOWNLOAD PDF)**

**Question 48**

**Famous writer and Congress leader Shashi Tharoor won the 2019 Lok Sabha Elections from which of the following constituencies of Kerala?**

- A Thiruvananthapuram
- B Alleppey
- C Thrissur
- D Kozhikode

**Answer: A**

**Question 49**

**Who of the following was elected as the Leader of Congress Parliamentary Party after the 2019 Lok Sabha elections?**

- A Mallikarjun Kharge
- B Sonia Gandhi
- C Rahul Gandhi
- D Shashi Tharoor

Answer: B

Question 50

Which of the following banks was authorised to issue Electoral Bonds?

- A HDFC Bank
- B Corporation Bank
- C ICICI Bank
- D State Bank of India

Answer: D

SSC CGL Previous Papers (DOWNLOAD PDF)

Quant

Instructions

For the following questions answer them individually

Question 51

If  $3 \sin \theta = 2 \cos^2 \theta$ ,  $0^\circ < \theta < 90^\circ$ , then the value of  $(\tan \theta + \cos \theta + \sin \theta)$  is:

- A  $\frac{3+5\sqrt{3}}{6}$
- B  $\frac{5\sqrt{3}}{3}$
- C  $\frac{3+5\sqrt{3}}{3}$
- D  $\frac{5\sqrt{3}}{6}$

Answer: A

SSC CGL Free Mock Test (Latest Pattern)

Question 52

PAT is a tangent to a circle at point A on it, and AB is a chord such that  $\angle BAT = 72^\circ$ . If C is a point on the circle such that  $\angle CBA = 58^\circ$ , then what is the measure of  $\angle CAB$ ?

- A  $60^\circ$
- B  $48^\circ$
- C  $62^\circ$
- D  $50^\circ$

Answer: D

Question 53

If  $\frac{1}{\sec \theta - \tan \theta} - \frac{1}{\cos \theta} = \sec \theta \times k$ ,  $0^\circ < \theta < 90^\circ$ , then k is equal to:

- A cosec  $\theta$
- B tan  $\theta$
- C cot  $\theta$
- D sin  $\theta$

Answer: D

**Question 54**

The ratio of the present ages of A and B is 6 : 5. Four years ago, this ratio was 5 : 4. What will be the ratio of the ages of A and B after 12 years from now ?

- A 8:7
- B 3:2
- C 7:6
- D 9:8

Answer: D

**Explanation:**

Let their present ages be  $6x$  and  $5x$

Four years ago their ages must be  $(6x-4)$  and  $(5x-4)$  and the ratio was 5:4

$$\text{Hence } \frac{6x-4}{5x-4} = \frac{5}{4}$$

On cross multiplication

$$24x-16=25x-20$$

$$-16+20=25x-24x$$

Therefore  $x=4$

Thus their present ages are  $6x$  and  $5x$

$$\text{Hence } 6x=6 \times 4=24$$

$$\text{And } 5x=5 \times 4=20$$

Then we have to find ratio of the ages of A after 12 years from now

Their ages after 12 years will be  $24+12=36$  and  $20+12=32$

The ratio of between the ages of two persons after 12 years will be 36:32 or 9:8

## SSC CHSL Important Questions and Answers (Download PDF)

**Question 55**

Amit travelled from A to B at an average speed of 80 km/h. He travelled the first 75% of the distance in two-third of the time and the rest at a constant speed of  $x$  km/h. The value of  $x$  is:

- A 56
- B 54
- C 60
- D 64

Answer: C

Question 56

In  $\triangle ABC$ , the bisectors of  $\angle B$  and  $\angle C$  intersect each other at a point D. If  $\angle BDC = 104^\circ$ , then the measure of  $\angle A$  is:

- A  $30^\circ$
- B  $28^\circ$
- C  $32^\circ$
- D  $26^\circ$

Answer: B

Question 57

The value of  $3 \times 2 \div 3$  of  $12 - 3 \div 2 \times (2 - 3) \times 2 + 3 \div 2$  of 3 is:

- A  $2\frac{1}{3}$
- B  $-3\frac{2}{3}$
- C  $-2\frac{1}{3}$
- D  $3\frac{2}{3}$

Answer: D

Explanation:

Apply bodmas rule to this problem to simplify

**BODMAS RULE.** BODMAS is an acronym and it stands for Bracket, Of, Division, Multiplication, Addition and Subtraction. In certain regions, PEDMAS (Parentheses, Exponents, Division, Multiplication, Addition and Subtraction) is the synonym of BODMAS. It explains the order of operations to solve an expression

First solve the bracket then orders then division then multiplication then addition then subtraction

$$3 \times 2 \div 3 \text{ of } 12 - 3 \div 2 \times (2 - 3) \times 2 + 3 \div 2 \text{ of } 3$$

$$3 \times 3^2 - 2^3 \times (-1) \times 2 + 3 \div 2 \times 3$$

$$3 \times 18 - 2^3 \times (-1) \times 2 + 6$$

$$54 + 2 + 6$$

Take LCM of 6,2,2 you will get 6

$$= \frac{1 \times 18 + 3}{6}$$

$$= \frac{21}{6}$$

$$= \frac{7}{2}$$

## SSC CHSL Study Material

Question 58

A sum of ₹7,500 amounts to ₹8,748 after 2 years at a certain compound interest rate per annum. What will be the simple interest on the same sum for  $4\frac{3}{5}$  years at double the earlier interest rate ?

- A ₹2,760

B ₹5,520

C ₹4,140

D ₹8,180

**Answer: B**

**Explanation:**

let use this formula to find the rate of interest that is

$$\text{Amount} = \text{principal} \left(1 + \frac{r}{100}\right)^t$$

Given data in the question is

$$\text{Amount} = 8748$$

$$\text{Principal} = 7500$$

$$\text{Time} = 2 \text{ years}$$

Substitute above values in the formula then we will get

$$8748 = 7500 \left(1 + \frac{r}{100}\right)^2$$

$$\frac{8748}{7500} = \left(1 + \frac{r}{100}\right)^2$$

Divide 8748 and 7500 by 12 then we get

$$\frac{729}{625} = \left(1 + \frac{r}{100}\right)^2$$

By eliminating square we get

$$\frac{27}{25} = \left(1 + \frac{r}{100}\right)$$

$$\frac{r}{100} = \frac{27}{25} - 1$$

$$\frac{r}{100} = \frac{2}{25}$$

$$\text{Rate of interest} = \frac{100}{25} \times 2$$

$$\text{Rate of interest} = 8$$

Therefore rate of compound interest = 8% p.a

Now we have to find the simple interest for the sum ₹7500 for  $\frac{23}{5}$  years at the rate = 2 × rate of interest

$$\text{Rate of interest} = 2 \times 8 = 16$$

Using the simple interest formula

$$\text{Simple interest} = \frac{\text{principal} \times \text{rate of interest} \times \text{time}}{100}$$

$$\text{Simple interest} = \frac{7500 \times 16 \times \frac{23}{5}}{100}$$

$$\text{Simple interest} = 5520 \text{ ₹}$$

**Question 59**

If the nine-digit number 8175x45y2 is divisible by 72, then the value of  $\sqrt{4x + y}$ , for the largest value of y, is:

A 6

B 8

C 4

D 5

**Answer: D**

Question 60

The curved surface area and the volume of a cylindrical pole are  $132 \text{ m}^2$  and  $528 \text{ m}^3$ , respectively. What is the height (in m) of the pole?

(Take  $\pi = \frac{22}{7}$ )

A  $3\frac{5}{8}$

B  $2\frac{1}{2}$

C  $2\frac{5}{8}$

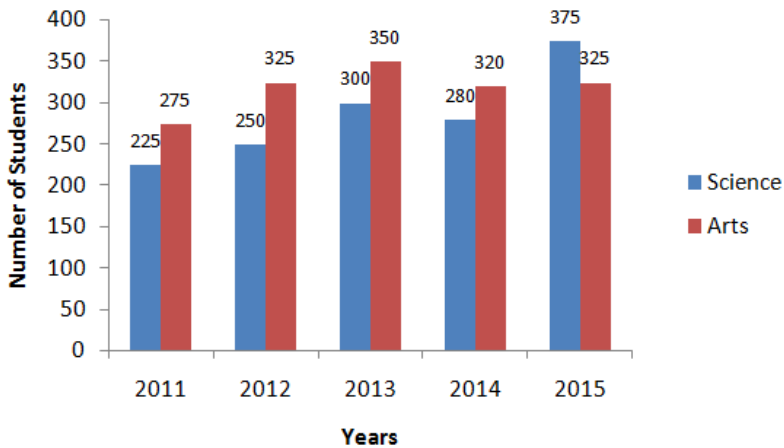
D  $3\frac{1}{2}$

Answer: C

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Question 61

The given Bar graph presents the number of students from Science and Arts streams from a school in different years.



In which year the number of Arts students is 30% more than that of Science ?

A 2012

B 2013

C 2011

D 2014

Answer: A

Question 62

ABCD is a cyclic quadrilateral such that AB is a diameter of the circle circumscribing it and  $\angle ADC = 158^\circ$ . Then  $\angle BAC$  is equal to:

A  $68^\circ$

B  $40^\circ$

C  $38^\circ$

D  $50^\circ$

Answer: A

Question 63

If  $a + b + c = 4$  and  $ab + bc + ca = 1$ , then the value of  $a^3 + b^3 + c^3 - 3abc$  is:

- A 60
- B 52
- C 50
- D 47

Answer: B

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Question 64

If  $\operatorname{cosec} 31^\circ = x$ , then

$\sin^2 59^\circ + \frac{1}{\operatorname{cosec}^2 31^\circ} + \tan^2 59^\circ - \frac{1}{\sin^2 59^\circ \operatorname{cosec}^2 59^\circ}$  is equal to:

- A  $x - 1$
- B  $x^2 + 1$
- C  $x^2 - 1$
- D  $x + 1$

Answer: C

Question 65

The simplified value of  $\left[ \frac{\sin^2 25^\circ + \sin^2 65^\circ}{\cos^2 24^\circ + \cos^2 66^\circ} + \sin^2 71^\circ + \cos 71^\circ \sin 19^\circ \right]$  is:

- A 1
- B 0
- C 3
- D 2

Answer: D

Question 66

If  $24\sqrt{3}x^3 + 2\sqrt{2}y^3 = (2\sqrt{3}x + \sqrt{2}y)(Ax^2 + Bxy + Cy^2)$  then  $(2A + \sqrt{6}B - C)$  is equal to:

- A 6
- B 8
- C 14
- D 10

Answer: D



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### Question 67

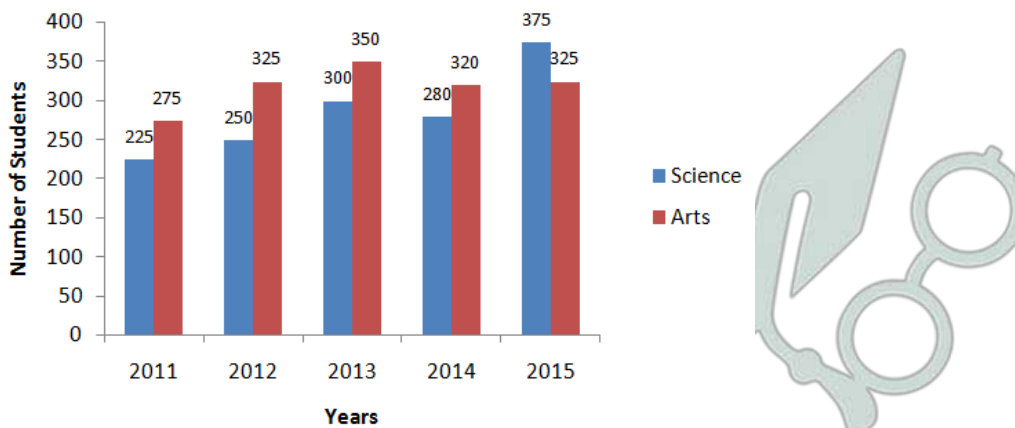
In a class of 80 students, 60% participate in games and the rest do not. The average weight of the former group is 5% more than that of the latter. If the average weight of all the students is  $51\frac{1}{2}$  kg, then what is the average weight (in kg) of the former group ?

- A 52.5
- B 54.5
- C 57.6
- D 60

Answer: A

### Question 68

The given Bar graph presents the number of students from Science and Arts streams from a school in different years.



What is the ratio of the total number of Science students in 2011 and 2015 to that of Arts in 2012 and 2015 ?

- A 11 : 12
- B 8 : 9
- C 9 : 10
- D 12 : 13

Answer: D

#### Explanation:

In this bar graph science students considered with blue color and Arts students consider with dark brown bar graph

Let consider total number of science students in 2011 and 2015 from the question is  $= (225 + 375)$

In the Same way consider the total number of arts students in 2012 and 2015 is  $= (325 + 325)$

Hence Required Ratio  $= \frac{225 + 375}{325 + 325}$

$$= \frac{600}{650}$$

Reduce the fraction with 50

Hence the ratio of the total number of science and arts students is  $= 12 : 13$

Question 69

When an article is sold for ₹291, there is a loss of 3%. What will be the selling price of the article, if it is sold at a gain of 8%?

- A ₹324
- B ₹308
- C ₹316
- D ₹332

Answer: A

Explanation:

let us call full price is  $x$

The profit or loss is always to be calculated on cost price

Since he sells for a 3% loss he sells for 97% of his full price at ₹291

$$\frac{97}{100} \times x = 291$$

$$x = \frac{291 \times 100}{97}$$

Since he wants to sell for a profit of 8% he wants to sell at 108% of full price is  $= \frac{108}{100} \times x$

Substitute  $x$  value in the above equation

$$= \frac{108 \times 291 \times 100}{100 \times 97}$$

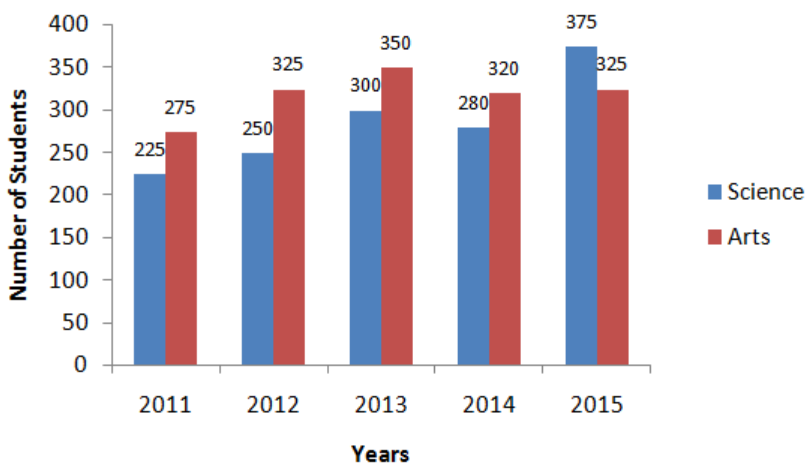
By solving the above equation we get

$$x = ₹324$$

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Instructions

The given Bar graph presents the number of students from Science and Arts streams from a school in different years.



Question 70

The average number of Science students in 2011, 2013 and 2015 is what percentage more than the number of Arts students in 2011 ?

- A  $9\frac{1}{11}\%$
- B  $9\frac{3}{11}\%$

C  $8\frac{1}{9}\%$

D  $11\frac{1}{9}\%$

Answer: A

Explanation:

The average number of Science students in 2011, 2013 and 2015 is =  $\frac{225+300+375}{3}$   
=300

In this question the main condition is the average number of science students percentage should be more than the number of arts students in 2011

hence  $\frac{300-275}{275} \times 100$

=  $\frac{25}{275} \times 100$

reduce the fraction with 25

=  $\frac{1}{11} \times 100$

=  $\frac{100}{11}$

=Alternative form is  $9\frac{1}{11}\%$

Question 71

The total number of Arts students in 2011, 2013 and 2015 is what percentage less than that of Science in the given five years (correct to one decimal place)?

A 33.6%

B 34.2%

C 31.4%

D 32.8%

Answer: A

Explanation:

The average science students of five years is consider as initial =  $225+250+300+280+375=1430$

The total number of Arts students consider as final =  $275+350+325=950$

we know that %decrease =  $\frac{\text{final}-\text{initial}}{\text{initial}} \times 100$

=  $\frac{950-1430}{1430} \times 100$

=  $\frac{480}{1430} \times 100$

= 33.6%

Instructions

For the following questions answer them individually

Question 72

A, B and C can finish a task in 42 days, 84 days and 28 days, respectively. A started the work. B joined him after 3 days. If C joined them after 5 days from the beginning, then for how many days did A work till the completion of the task?

A 18

B 20

C 15

D 17

Answer: D

Explanation:

A one day's work =  $\frac{1}{42}$  days

Three day's work =  $\frac{1}{42} \times 3 = \frac{1}{14}$  days

B joined him after 3 days work done =  $[\frac{1}{14} + (\frac{1}{42} + \frac{1}{84}) \times 2]$

=  $\frac{1}{7}$  days hence work done by A and B for 5 days is one by seven days

Remaining work =  $1 - \frac{1}{7}$

=  $\frac{6}{7}$  days

(A+B+C)'s 1 days work =  $\frac{1}{14}$  days

$x = \frac{6}{7}$  days

Hence

$x = \frac{6}{7} \times 14$

$x = 12$  days

So finally A took work till the completion of the task is =  $5 + 12 = 17$  days

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Question 73

In a constituency, 40% of the voters are senior citizens. 40% of the senior citizen voters are illiterates and 25% of the non-senior citizen voters are literates. By what percentage is the number of literate senior citizens voters less than that of illiterate non-senior citizen voters ?

A  $46\frac{2}{3}$

B  $48\frac{1}{3}$

C 40

D 50

Answer: A

Question 74

In  $\triangle ABC$ , D and E are the points on sides AC and AB, respectively, such that  $\angle ADE = \angle B$ . If AD = 7.6 cm, AE = 7.2 cm, BE = 4.2 cm and BC = 8.4 cm, then DE is equal to:

A 5.8 cm

B 5.6 cm

C 7.4 cm

D 6.3 cm

Answer: B

Explanation:

given. AD = 7.6 cm

$$AE=7.2\text{cm}$$

$$BE=4.2\text{cm}$$

$$BC=8.4\text{cm}$$

In  $\triangle ADE$  and  $\triangle ABC$

$\angle A = \angle A$ . It is common

$\angle ADE = \angle ABC$  it is given

$\triangle ADE \sim \triangle ABC$ . It is AA similarity

$\frac{AD}{AB} = \frac{DE}{BC}$ . { Ratio of the corresponding sides of the similar triangles are equal}

$$\frac{AD}{AE+BE} = \frac{DE}{BC}$$

$$\frac{7.6}{7.2+4.2} = \frac{DE}{8.4}$$

$$\frac{7.6}{11.4} = \frac{DE}{8.4}$$

$$DE = \frac{7.6 \times 8.4}{11.4}$$

Hence  $DE = 5.6\text{cm}$

#### Question 75

The vertices A, B, C and D of a quadrilateral ABCD lie on a circle.  $\angle A$  is thrice  $\angle C$  and  $\angle D$  is twice  $\angle B$ . What is the difference between the measures of  $\angle B$  and  $\angle C$ ?

- A  $15^\circ$
- B  $28^\circ$
- C  $18^\circ$
- D  $20^\circ$

Answer: A

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**English**

#### Instructions

For the following questions answer them individually

#### Question 76

Select the most appropriate antonym of the given word.

**JEOPARDIZE**

- A threaten
- B hazard
- C imperil
- D protect

Answer: D

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Question 77

In the sentence identify the segment which contains the grammatical error.

On September 11, 2001, two hijacked aircrafts crashed to the World Trade Centre in New York.

- A World Trade Centre in New York
- B crashed to the
- C two hijacked aircrafts
- D On September 11, 2001

Answer: B

Question 78

Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. In the opening scene, the young boy Pip meets an escaped convict in a graveyard.
- B. 'Great Expectations' is a novel by Charles Dickens.
- C. The novel is set in Kent and London in the early 19th century.
- D. It depicts the personal growth and development of an orphan named Pip.

- A DCAB
- B BCDA
- C ABCD
- D CBAD

Answer: B

Question 79

Select the word which means the same as the group of words given.

impossible or extremely difficult to understand

- A incompatible
- B incomprehensible
- C inaudible
- D inevitable

Answer: B

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Question 80

Select the most appropriate meaning of the given idiom.

tit for tat

- A to take advantage of someone
- B to make someone angry
- C to do harm as done to you

D to reward people for the good done

Answer: C

**Question 81**

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

The boys were delighted on the idea of going to Goa.

A on an idea of

B No improvement

C at an idea of

D at the idea of

Answer: D

**Question 82**

Select the correct passive form of the given sentence.

The Japanese Emperor Akihito abdicated the Chrysanthemum Throne in April, 2019.

A The Chrysanthemum Throne is abdicated by the Japanese Emperor Akihito in April,2019.

B The Chrysanthemum Throne was abdicated by the Japanese Emperor Akihito in April,2019.

C The Japanese Emperor Akihito was abdicated by the Chrysanthemum Throne in April, 2019.

D The Chrysanthemum Throne has abdicated by the Japanese Emperor Akihito in April,2019.

Answer: B

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**Question 83**

In the sentence identify the segment which contains the grammatical error.

Billionaire Philip is the owner of the luxury yacht Lionheart, which worth an estimated \$150 million.

A the owner of

B an estimated \$150 million

C which worth

D Billionaire Philip is

Answer: C

**Question 84**

Select the word which means the same as the group of words given.

a type of dome-shaped shelter built from blocks of solid snow

A chalet

B wigwam

C igloo

D hut

Answer: C

Question 85

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

He tried to prevent his friend to smoke.

A No improvement

B smoking

C from smoking

D to smoking

Answer: C

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Question 86

Select the correct indirect form of the given sentence.

The shopkeeper asked me, "Where is your car?"

A The shopkeeper asked me where is your car.

B The shopkeeper asked me where was my car.

C The shopkeeper asked me where my car was.

D The shopkeeper asked me where my car is.

Answer: C

Question 87

Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. One fine morning, a hunter was getting ready to go hunting.

B. He pulled the blanket over the sleeping child.

C. As he did so, he thought the blanket was not warm enough.

D. Before departing, he went to see his little baby who was sleeping in a crib.

A ADBC

B CBAD

C ACBD

D DCAB

Answer: A

Question 88

Select the most appropriate word to fill in the blank.

There were not enough tinsmiths in Vienna to \_\_\_\_\_ the lanterns for street lighting.

A compose



- B execute
- C accomplish
- D manufacture

Answer: D

## SSC CGL Previous Papers (DOWNLOAD PDF)

### Question 89

Select the wrongly spelt word.

- A curse
- B curry
- C curious
- D cursore

Answer: D

### Instructions

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

### Comprehension:

Trade on the New York Stock Exchange was (1) \_\_\_\_\_ to a standstill on an autumn day (2) \_\_\_\_\_ 1994. The culprit for the outage (3) \_\_\_\_\_ a squirrel that had chewed through a power line near the computer centre of the (4) \_\_\_\_\_ in Trumbull, Connecticut. The shutdown (5) \_\_\_\_\_ lasted for half-an- hour, resulted in the NYSE operating at 85 percent capacity.

### Question 90

Select the most appropriate option for blank No. 1.

- A taken
- B worked
- C happened
- D brought

Answer: D

### Question 91

Select the most appropriate option for blank No. 2.

- A on
- B by
- C at
- D in

Answer: D

## SSC CGL Free Mock Test (Latest Pattern)

### Question 92

Select the most appropriate option for blank No. 3.

- A was
- B has
- C were
- D is

Answer: A

### Question 93

Select the most appropriate option for blank No. 4.

- A exchange
- B town
- C store
- D bank

Answer: A

### Question 94

Select the most appropriate option for blank No. 5.

- A whom
- B which
- C who
- D what

Answer: B

## SSC CHSL Important Questions and Answers (Download PDF)

### Instructions

For the following questions answer them individually

### Question 95

Select the most appropriate word to fill in the blank.

Municipal corporations have started to take \_\_\_\_\_ of the problems of waste management.

- A cognizance
- B knowledge
- C perception
- D attention

Answer: A

**Question 96**

Select the most appropriate meaning of the given idiom.  
**bite your tongue**

- A stop yourself from saying something
- B be impossible to be understood
- C talk for a long time
- D get bruises in the mouth

Answer: A

**Question 97**

Select the most appropriate antonym of the given word.  
**INORDINATE**

- A undue
- B reasonable
- C exorbitant
- D extreme

Answer: B

## SSC CHSL Study Material

**Instructions**

Select the most appropriate synonym of the given word.

**Question 98**

**ADHERE**

- A comply
- B release
- C detach
- D ignore

Answer: A

**Question 99**

**CURRENT**

- A present
- B old
- C uncommon

D antiquated

Answer: A

**Instructions**

For the following questions answer them individually

**Question 100**

Select the wrongly spelt word.

A satiate

B settle

C session

D satallite

Answer: D

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