



SSC CGL 7 June 2019 Shift-3

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Reasoning

Instructions

For the following questions answer them individually

Question 1

Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

6472 : 25 :: 7343 : 41 :: 6582 : ?

- A 14
- B 16
- C 18
- D 13

Answer: B

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Question 2

If

+ denotes -

- denotes *

* denotes /

/ denotes +

then what will be the numeric value of

$60 * 10/40 + 6 - 5 = ?$

- A 16
- B 200
- C 3
- D 144

Answer: A

Question 3

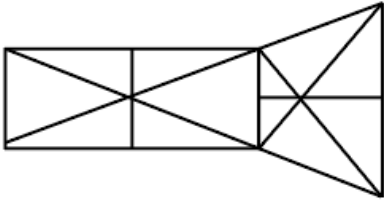
Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- A FNMG
- B SKLV
- C PXWQ
- D BKJC

Answer: B

Question 4

How many triangles are there in the following figure ?



- A 29
- B 27
- C 25
- D 31

Answer: A

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Question 5

Arrange the following words in a logical and meaningful order.

1. Doctor
2. Recovery
3. Hospital
4. Home
5. Sickness
6. Medicine store

- A 1, 5, 3, 6, 4, 2
- B 4, 5, 6, 1, 3, 2
- C 5, 3, 6, 1, 3, 2
- D 5, 3, 1, 6, 2, 4

Answer: D

Question 6

Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

- A Afghanistan
- B Nepal
- C Indonesia
- D Ireland

Answer: D

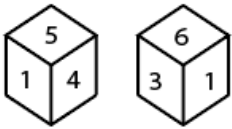
Explanation:

Afghanistan, Nepal, Indonesia is in Asian countries by area but Ireland is not.

Here option 'D' is correct.

Question 7

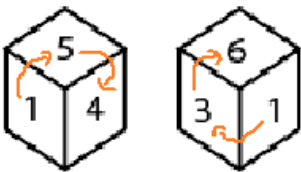
Two different positions of the same dice are shown. Which number will be at the top if 3 is at the bottom ?



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

Answer: A

Explanation:



$$1 == 1$$

$$5 == 3 \rightarrow 5 \text{ will be the opposite to } 3$$

$$4 == 6$$

Option 'A' is correct.

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Question 8

A cycle was sold for ₹4,140 with a profit of 15%. At what price could it have been sold to earn a profit of 25% ?

- A ₹4,200
- B ₹4,500
- C ₹4,850
- D ₹4,350

Answer: B

Explanation:

$$S.P=4140 \text{ Rs And profit \% = 15}$$

$$C.P=4140 \times \left(\frac{100}{115} \right) = 3600$$

for earn 25 % profit

$$\text{New selling price} = 3600 \times \left(\frac{125}{100} \right) = 4500$$

option 'B' is correct.

Question 9

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

7, 11, 18, 29, ?, 76

A 47

B 53

C 61

D 44

Answer: A

Explanation:

$$7 \times 2 - 3 = 11$$

$$11 \times 2 - 4 = 18$$

$$18 \times 2 - 7 = 29$$

$$29 \times 2 - 11 = 47$$

$$47 \times 2 - 18 = 76$$

Here option 'A' is correct.

Question 10

Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some quadrilaterals are squares.

All squares are rhombuses.

Conclusions:

I. No quadrilateral is a rhombus.

II. All rhombuses are squares.

III. Some quadrilaterals are rhombuses.

A Only conclusion I follows

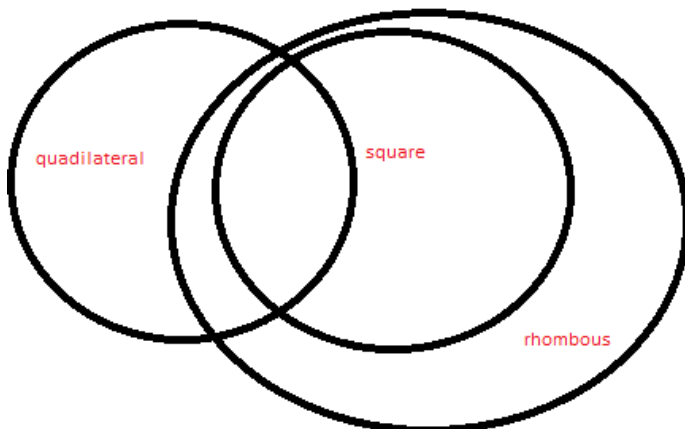
B Only conclusion II follows

C None of the conclusions follows

D Only conclusion III follows

Answer: D

Explanation:



Option 'D' is correct.

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Question 11

Three of the following four word pairs are alike in a certain way and one is different. Pick the odd word out.

- A Tamil Nadu : South
- B Punjab : North
- C Assam : North-East
- D Kerala : North-West

Answer: D

Explanation:

What is the logic here.

if we go to indian map

Tamil nadu is in south,

Punjab is in North,

Assam is in north,

and kerala is in south.

Hence 'D' is correct.

Question 12

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.

FLQV : JISU :: DINR : ?

- A HFPQ
- B HMPS
- C HGLQ
- D FGQN

Answer: A

Explanation:

F $\xrightarrow{+4}$ J
 L $\xrightarrow{-2}$ I
 Q $\xrightarrow{+2}$ S
 V $\xrightarrow{-1}$ U

Similar to the -

D $\xrightarrow{+4}$ H
 I $\xrightarrow{-2}$ G
 N $\xrightarrow{+2}$ P
 R $\xrightarrow{-1}$ Q

Here option (A) is correct answer.

Question 13

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

- A LPQ
- B DHL
- C HLP
- D PTX

Answer: A

Explanation:

Apart from option A,

Difference between all the place value in the option is 4.

For example option D : $T(20)-P(16)=X(24)-T(20)=4$

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Question 14

Select the set in which the numbers are related in the same way as are the numbers of the following set.

(11, 16, 20)

- A (21, 26, 32)
- B (15, 20, 24)
- C (9, 14, 19)
- D (17, 23, 26)

Answer: B

Explanation:

if we look at the given set, there is a difference of 5 and 4 between each number i.e., $16-11 = 5$; $20-11 = 4$

So, the same is followed only in option b: $= 20-15 = 5$; $24-20 = 4$

Hence our answer is option 'B'

Question 15

Select the number pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.
27 : 8

- A 19 : 5
- B 12 : 3
- C 33 : 9
- D 39 : 14

Answer: B

Explanation:

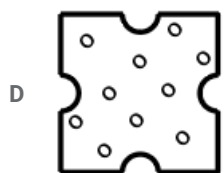
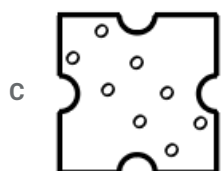
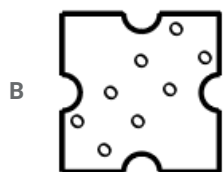
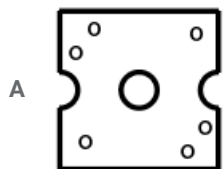
$$8 \times 3 + 3 = 27$$

$$3 \times 3 + 3 = 12$$

Option (B) is correct answer.

Question 16

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



Answer: B

Explanation:



Option (B) is correct.

Explanation required. How did you get B

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Question 17

If the word ANGEL is coded as BOHFM, then what will be the third alphabet in the code for the word SAVAGE ?

A X

B B

C W

D U

Answer: C

Explanation:

A $\xrightarrow{+1}$ B

N $\xrightarrow{+1}$ O

G $\xrightarrow{+1}$ H

E $\xrightarrow{+1}$ F

L $\xrightarrow{+1}$ M

Similar to the-

S $\xrightarrow{+1}$ T

A $\xrightarrow{+1}$ B

V $\xrightarrow{+1}$ W

Here option 'C' is correct.

Question 18

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 2197

B 343

C 731

D 1331

Answer: C

Explanation:

option c is correct

because all are whole cube of number except option c

A. $13^3 = 2197$

B. $7^3 = 343$

C. $11^3 = 1331$

Question 19

Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.
cd_ab_cd_abb_dda_b

A dbdcb

B bbcdb

C dbcbc

D cbdab

Answer: A

Explanation:

c	d	ab	b	cd	d	abb	c	dda	b	b
---	---	----	---	----	---	-----	---	-----	---	---

Here option (A) is correct.

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Question 20

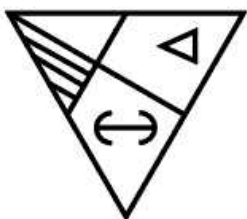
Select the mirror image of the given figure when the mirror is placed to the right of the figure.

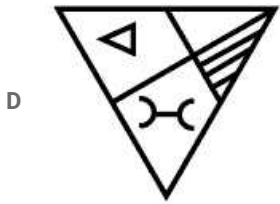
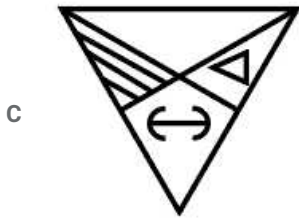


A



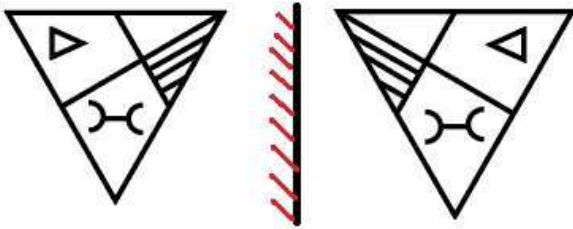
B





Answer: A

Explanation:

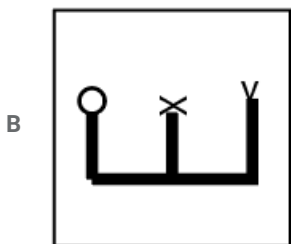
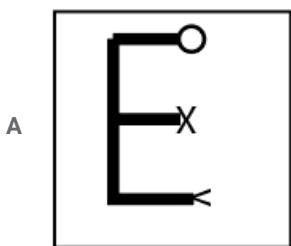
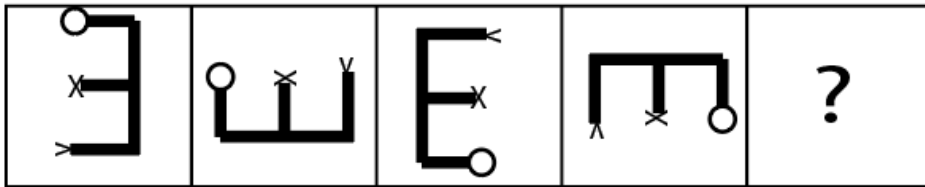


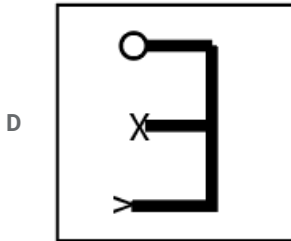
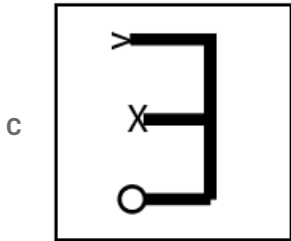
Here option (A) is correct answer.

Explanation missing

Question 21

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





Answer: D

Explanation:

All figure is given rotating into anti-clock wise direction, therefore option (D) is correct.

Question 22

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.

Mnemonic : Memory

A Sedative : Sleep

B Drama : Acting

C Audition : Music

D Audience : Speech

Answer: A

Explanation:

Mnemonic(a system such as a pattern of letters, ideas, or associations which assists in remembering something) - it's related to memory

Sedative(promoting calm or inducing sleep) - that related to sleep.

hence, option A is correct.

General Science Notes for SSC CGL

Question 23

'Judgement' is related to 'Deliver' in the same way as 'Rule' is related to '.....'

A Follow

B Practice

C Render

D Implement

Answer: D

Explanation:

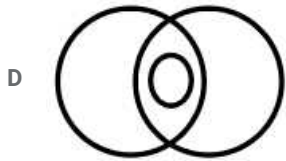
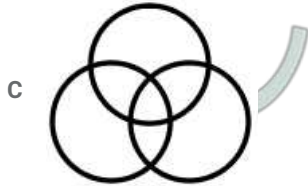
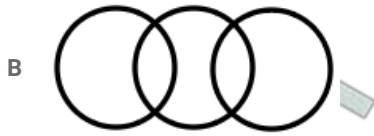
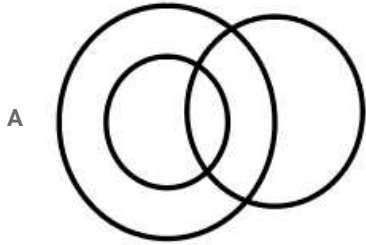
Judgement-the ability to make considered decisions or come to sensible conclusions which means deliver to your considerable decisions.

Rule-To apply, implement.

Here option 'D' is correct.

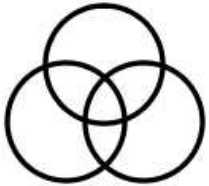
Question 24

Select the Venn diagram that best illustrates the relationship between the following classes.
Villagers, Poor Persons, Males



Answer: C

Explanation:



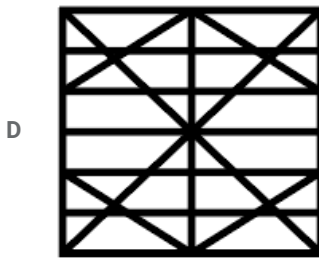
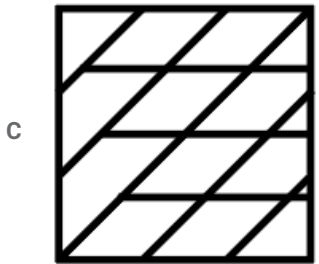
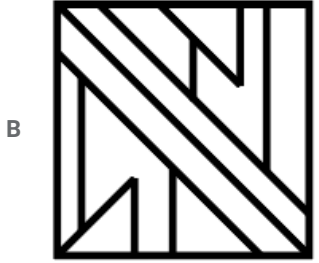
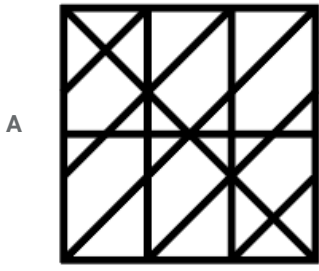
Because these are different from others but mans can be poor person and poor person can be villagers(most of the men are poor those lives in village)

hence option ' C ' is correct.

Question 25

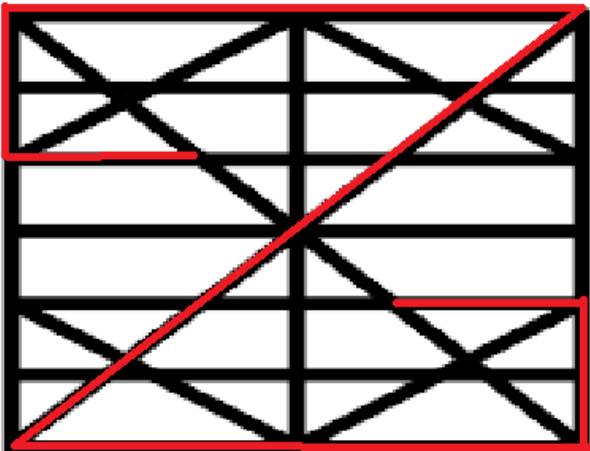
Select the figure in which the given figure is embedded.





Answer: D

Explanation:



FROM the above figure
option 'D' is correct.

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Instructions

For the following questions answer them individually

Question 26

The Almatti dam project on the Krishna river was an issue between which states?

- A Karnataka and Tamil Nadu
- B Andhra Pradesh and Tamil Nadu
- C Karnataka and Andhra Pradesh
- D Karnataka and Goa

Answer: C

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Question 27

In March 2018, Indian actress was named as the new ambassador of the international award-winning non-profit organisation, Educate Girls.

- A Aishwarya Rai
- B Deepika Padukone
- C Priyanka Chopra
- D Katrina Kaif

Answer: D

Question 28

The maximum number of nominated members to Lok Sabha is

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

Answer: B

Question 29

During whose reign did the Chinese traveller Hiuen Tsang visit India?

- A Chandragupta I
- B Harshavardhana
- C Samudragupta
- D Chandragupta Vikramaditya

Answer: B

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Question 30

The base financial year for the calculation of the all India Index of Industrial Production (IIP) is:

- A 2005-2006
- B 2004-2005
- C 2011-2012
- D 2010-2011

Answer: C

Question 31

What does the Lorenz Curve indicate?

- A Relationship between the price of a certain commodity and its demand
- B Rate of employment
- C Taxable income elasticity
- D Income distribution

Answer: D

Question 32

The Suri king was defeated by Humayun to regain his kingdom.

- A Mahmood Suri
- B Sher Shah Suri
- C Bahalol Suri
- D Sikandar Suri

Answer: D

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Question 33

..... built the world famous Harmandar Sahib, popularly known as the Golden Temple in Amritsar.

- A Guru Arjan Dev
- B Guru Siri Har Rai
- C Guru Angad Dev
- D Guru Ram Das

Answer: A

Question 34

'Shifting cultivation' is also known as in north-east India.

- A Chena
- B Ladang
- C Jhum
- D Logan

Answer: C

Question 35

Who decides on the issue related to the disqualification of a Member of Lok Sabha under Tenth Schedule?

- A President
- B Speaker
- C Prime Minister
- D Vice President

Answer: B

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Question 36

In March 2019, the Government of launched the 'Lose to Win' programme to assist overweight employees shed extra kilos and adopt a healthy lifestyle.

- A Australia
- B UK
- C UAE
- D US

Answer: C

Question 37

..... is famous for outstanding specimen of Buddhist art and architecture, belonging to the period between the 3rd century B.C. and the 12th century A.D.

- A Satna
- B Vidisha
- C Dewas
- D Sanchi

Answer: D

Question 38

The Qutub Minar was named after the Sufi saint

- A Alauddin Sabir Kaliyari
- B Qutub-ud-Din Aibak
- C Syed Waheed Ashraf
- D Khwaja Qutbuddin Bakhtiyar Kaki

Answer: D

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Question 39

..... was the first person to isolate methane gas. He discovered that methane mixed with air could be exploded using an electric spark.

- A Louis Pasteur
- B William Thomson
- C William Crookes
- D Alessandro Volta

Answer: D

Question 40

..... is an important road link between Srinagar on one side and Kargil and Leh on the other side.

- A Zoji La
- B Muling La
- C Qara Tag La
- D Shipki La

Answer: A

Question 41

Who invented the atomic battery in 1912 ?

- A Benjamin Franklin
- B Henry Moseley
- C Alessandro Volta
- D Louis Pasteur

Answer: B

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Question 42

Asian Games, also known as Asiad, is a multi-sport event held every years among athletes from all over Asia.

- A six
- B five
- C four
- D three

Answer: C

Question 43

..... won gold in the Men's freestyle wrestling 65 kg category at the Dan Kolov 2019 wrestling event.

- A Bajrang Punia
- B Yogeshwar Dutt
- C Sandeep Tomar
- D Sushil Kumar

Answer: A

Question 44

..... codified the first two laws of thermodynamics and deduced that the absolute zero of temperature is -273.15°C . He was honoured for this with the naming of the Kelvin temperature scale.

- A Robert Hooke
- B William Crookes
- C William Thomson
- D Luis Alvarez

Answer: C

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Question 45

The theory that dinosaurs were driven to extinction by the aftermath of a large asteroid impact on Earth was given by

- A Wilhelm Röntgen
- B Luis Alvarez
- C Henry Moseley
- D William Crookes

Answer: B

Question 46

Who was the fifth of the ten Sikh gurus?

- A Guru Ramdas

- B Guru Angad
- C Guru Arjan Dev
- D Guru Hargobind

Answer: C

Question 47

The deficiency of which nutrient causes night blindness ?

- A Vitamin A
- B Vitamin C
- C Proteins
- D Vitamin K

Answer: A

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Question 48

Flying Officer of the Indian Air Force (IAF) created history by becoming the first Indian woman to fly her first solo fighter flight in a Russian made MiG-21 fighter.

- A Mohana Singh
- B Avani Chaturvedi
- C Bhawana Kanth
- D Anjali Gupta

Answer: B

Question 49

Brazilian physicist and astronomer was awarded the 2019 Templeton Prize, worth \$1.4 million, for his work blending science and spirituality.

- A Charles Messier
- B Marcelo Gleiser
- C Nicolaus Copernicus
- D Edwin Hubble

Answer: B

Question 50

In March 2019, a science teacher from rural Kenya named won the prestigious Global Teacher Prize 2019, worth \$1 million, which honours the world's best teacher.

- A Andria Zafirakou
- B Peter Tabichi

- C Nancie Atwell
D Hanan Al Hroub

Answer: B

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Quant

Instructions

For the following questions answer them individually

Question 51

The value of $6 - 6 \div 6 \times 6 + (6 \div 6 \text{ of } 6) \times 6 - (3\frac{2}{3} \div \frac{11}{30} \text{ of } \frac{2}{3}) \div 5$ is:

- A 0
B -1
C -2
D 2

Answer: C

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

$$6 - 6 \div 6 \times 6 + (6 \div 6 \text{ of } 6) \times 6 - (3\frac{2}{3} \div \frac{11}{30} \text{ of } \frac{2}{3}) \div 5$$

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

$$= 6 - 1 \times 6 + (6 \div 6 \times 6) \times 6 - (3\frac{2}{3} \div \frac{11}{30} \times \frac{2}{3}) \div 5$$

$$= 6 - 6 + (36) \times 6 - (3\frac{2}{3} \times \frac{90}{22}) \div 5$$

$$= 0 + 6 \times 6 - (\frac{30}{2}) \div 5$$

$$= 0 + 1 - \frac{15}{5}$$

$$= 0 + 1 - 3$$

$$= -2$$

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Question 52

If $(2x^2 + 5x - 2)^{6x} = 1$, $x > 0$, then the value of $x^3 + \frac{1}{x^3}$ is:

- A $\frac{3}{8}\sqrt{17}$
B $\frac{5\sqrt{17}}{8}$
C $\frac{3}{4}\sqrt{17}$

D $\frac{5\sqrt{17}}{16}$

Answer: B

Question 53

Two chords AB and CD of lengths 5 cm and 11 cm respectively are parallel and are on the same side of the centre O of a circle. If the distance between the chords is 3 cm, then what is the diameter of the circle?

- A $\sqrt{146}$ cm
- B $\sqrt{142}$ cm
- C 37 cm
- D 38 cm

Answer: A

Question 54

The table shows the production of different types of cars (in thousands).

Year → Car ↓	2014	2015	2016	2017	2018
A	42	53	44	66	65
B	46	49	57	64	72
C	54	45	45	50	56
D	48	56	63	65	68
E	46	48	56	57	64

The average production of cars in 2018 is approximately what percent less than the total production of type D cars in 2015 and type B cars in 2017 taken together ?

- A 44.2%
- B 43.6%
- C 45.8%
- D 42.4%

Answer: C

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Question 55

If $\frac{1}{\operatorname{cosec} \theta - 1} + \frac{1}{\operatorname{cosec} \theta + 1} = 2 \sec \theta$, $0^\circ < \theta < 90^\circ$, then the value of $(\cot \theta + \cos \theta)$ is:

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

Answer: B

Question 56

$$\left(\frac{2 \tan 30^\circ}{1 - \tan^2 30^\circ} \right) =$$

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

Answer: A

Question 57

A journey of 96 km takes one hour less by a fast train (A) than by a slow train (B). If the average speed of B is 16 km/h less than that of A, then the average speed (in km/h) of A is:

- A 60
- B 54
- C 64
- D 48

Answer: D

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Question 58

The value of $\sin^2 30^\circ \cos^2 45^\circ + 4 \tan^2 30^\circ + \frac{1}{2} \sin^2 90^\circ + 2 \cos 90^\circ$ is:

- A 2
- B $\frac{47}{24}$
- C $\frac{15}{8}$
- D $\frac{23}{12}$

Answer: B

Question 59

What is the compound interest on a sum of ₹8,100 for $1\frac{1}{4}$ years at 8% per annum, if the interest is compounded 5-monthly? (Nearest to ₹1)

- A ₹837
- B ₹873
- C ₹824
- D ₹842

Answer: A

Question 60

In $\triangle ABC$, $AM \perp BC$ and AN is the bisector of $\angle A$. What is the measure of $\angle MAN$, if $\angle B = 55^\circ$ and $\angle C = 35^\circ$?

- A 12°
- B 5°
- C 10°
- D 15°

Answer: C

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Question 61

A cylindrical road roller made of metal is one meter long. Its inner radius is 27 cm and the thickness of the metal sheet rolled into it is 9 cm. What is the weight of the roller, if 1 cm^3 of the metal weighs 8 g ?

- A $453.6 \pi \text{ kg}$
- B $449 \pi \text{ kg}$
- C $441 \pi \text{ kg}$
- D $442.4 \pi \text{ kg}$

Answer: A

Question 62

A person sells an article at a profit of 12%. If he had purchased it for 12% less and sold it for ₹9 less, he would have gained 27%. What is the original cost price of the article?

- A ₹3,750
- B ₹4,500
- C ₹4,250
- D ₹4,000

Answer: A

Explanation:

Let the CP of the article be Rs a.

Given, it is sold at a profit of 12%.

Thus, profit = 12% of CP = 12% of Rs a.

Hence, SP = profit + CP = Rs (12% of a + a) = Rs $\frac{12a}{100}$ = Rs 1.12 a.

If he had purchased it for 12% less and sold it for ₹9 less, he would have gained 27% :

Then, CP = Rs a - 12% of Rs a = Rs 0.88 a.

And, SP = Rs 1.12a - Rs 9 , gain would be 27% of Rs 0.88 i.e. $\frac{27}{100} \times \text{Rs } 0.88 = \text{Rs } 0.27 \times 0.88 \text{ a}$.

= > SP - CP = profit => Rs 1.12a - Rs 9 - Rs 0.88a = Rs 0.88 x 0.27 a => Rs 1.12a - Rs 0.88 a - Rs 0.88 x 0.27 a = Rs 9 => Rs 1.12 a - Rs 0.88 x Rs 0.2376a = Rs 9 => a = 3750 => Rs a = Rs 3750.

Hence the original cost price of the article is Rs 3750.

Question 63

The table shows the production of different types of cars (in thousands).

Year → Car ↓	2014	2015	2016	2017	2018
A	42	53	44	66	65
B	46	49	57	64	72
C	54	45	45	50	56
D	48	56	63	65	68
E	46	48	56	57	64

What is the ratio of the total production of type A cars in 2017 and type C cars in 2014 taken together to the total production of type B cars in 2014, type C cars in 2017 and type E cars in 2018 taken together?

- A 3 : 4
- B 2 : 3
- C 12 : 11
- D 5 : 6

Answer: A

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Question 64

If 10-digit number $67127y76x2$ is divisible by 88, then the value of $(7x - 2y)$ is:

- A 10
- B 7
- C 5
- D 3

Answer: B

Question 65

Surbhi spends 75% of her income. If her income increases by 20% and savings decrease by 1%, then the percentage increase in her expenditure is:

- A 22
- B 2.7
- C 2.2
- D 27

Answer: D

Question 66

The ratio of the efficiencies of A, B and C is 3 : 5 : 1. Working together, they can complete a piece of work in 5 days. A and B work together for 3 days. The remaining work will be completed by C alone in?

- A 24 days

- B 18 days
- C 15 days
- D 21 days

Answer: D

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Question 67

In a circle with centre O, PQR is a tangent at the point Q on it. AB is a chord in the circle parallel to the tangent such that $\angle BQR = 70^\circ$. What is the measure of $\angle AQB$?

- A 60°
- B 35°
- C 55°
- D 40°

Answer: D

Question 68

The table shows the production of different types of cars (in thousands).

Year → Car ↓	2014	2015	2016	2017	2018
A	42	53	44	66	65
B	46	49	57	64	72
C	54	45	45	50	56
D	48	56	63	65	68
E	46	48	56	57	64

If the data related to the production of type D cars is represented by a pie-chart. then the central angle of the sector representing the production of cars in 2017 will be:

- A 81.6°
- B 50°
- C 75.6°
- D 78°

Answer: D

Question 69

Four different positive numbers are written in ascending order. One-third of the average of all the four numbers is 19 less than the greatest of these numbers. If the average of the first three numbers is 12, the greatest number among the given numbers is:

- A 21
- B 24
- C 22

D 25

Answer: B

General Science Notes for SSC CGL

Question 70

If $\frac{\tan \theta}{1 - \cot \theta} + \frac{\cot \theta}{1 - \tan \theta} = 1 + k$, then $k =$

A $\cot \theta + \sec \theta$

B $\tan \theta + \sec \theta$

C $\tan \theta \operatorname{cosec} \theta$

D $\operatorname{cosec} \theta \sec \theta$

Answer: D

Explanation:

$$\begin{aligned} &= \frac{\tan \theta}{1 - \cot \theta} + \frac{\cot \theta}{1 - \tan \theta} \\ &= \frac{\tan \theta}{1 - \frac{1}{\tan \theta}} + \frac{\frac{1}{\tan \theta}}{1 - \tan \theta} \end{aligned}$$

Question 71

The table shows the production of different types of cars (in thousands).

Year →	2014	2015	2016	2017	2018
Car ↓					
A	42	53	44	66	65
B	46	49	57	64	72
C	54	45	45	50	56
D	48	56	63	65	68
E	46	48	56	57	64

The total production of type A cars in 2016 and type E cars in 2014 taken together is what percent of the total production of type C cars during 2014 to 2018 ?

A 32

B 40

C 35

D 36

Answer: D

Explanation:

the production of different types of cars in **thousands**

The total production of type A cars in 2016 = 44000

The total production of type E cars in 2014 = 46000

The total production of both type A and E taken together is = 44000+46000=90000

total production of type C cars during 2014 to 2018 = 54+45+45+50+56=250000

$$= \frac{A+E}{\text{Type C}} \times 100$$

$$= \frac{90000}{250000} \times 100$$

= 36%

Question 72

If $(8x^3 + 27y^3) \div (2x + 3y) = (Ax^2 + Bxy + Cy^2)$, then the value of $(5A + 4B + 3C)$ is:

- A 26
- B 27
- C 24
- D 23

Answer: D

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Question 73

The base and altitude of an isosceles triangle are 10 cm and 12 cm respectively. Then the length of each equal side is:

- A 13 cm
- B 7.5 cm
- C 10 cm
- D 8.5 cm

Answer: A

Question 74

By how much above the cost price should an article be marked up for sale so that after allowing two successive discounts of 20% and 6.25% on it, a net gain of 20% is made on the cost?

- A 50%
- B 60%
- C $66\frac{2}{3}\%$
- D $46\frac{1}{4}\%$

Answer: B

Question 75

A sum of ₹x is divided among A, B and C such that the ratio of shares of A and B is 7 : 12 and that of B and C is 8 : 5. If the difference in the shares of A and C is ₹214, then the value of x is:

- A 11,342
- B 11,128
- C 11,556
- D 11,770

Answer: A

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English

Instructions

For the following questions answer them individually

Question 76

Select one word substitution for the given words.

A trade that is prohibited by law

- A illicit
- B inapt
- C illusive
- D incredible

Answer: A

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Question 77

Select the correctly spelt word.

- A concious
- B contemptible
- C complascent
- D corigible

Answer: B

Question 78

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

We must endeavour to increase women's access for education also employment.

- A No improvement
- B access to education and employment
- C excess to education or employment
- D access in education also employment

Answer: B

Question 79

Select the most appropriate meaning of the underlined idiom in the given sentence.

He kicked up a row when he was denied entry to the amusement park.

- A waited in a queue
- B kicked the guard

- C cried with sorrow
- D created a fuss

Answer: D

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Question 80

Select the correctly spelt word.

- A apearance
- B arrogance
- C attendance
- D abundance

Answer: D

Question 81

Fill in the blank with the most appropriate word.

The committee members were in over the budget for the function.

- A dissent
- B deference
- C difference
- D descent

Answer: A

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:

There was still a light on in Mo's room. He often stayed (1)..... reading late into the night. Meggie had (2)..... her love of books from him. When she (3)..... refuge with him from a bad dream, nothing could lull (4)..... back to sleep better than Mo's calm breathing (5)..... her and the sound of the page turning.

Question 82

Select the most appropriate option to fill in blank No.1.

- A out
- B up
- C for
- D away

Answer: B

Question 83

Select the most appropriate option to fill in blank No.2.

- A inherited
- B gained
- C extracted
- D procured

Answer: A

Question 84

Select the most appropriate option to fill in blank No.3.

- A has taken
- B took
- C takes
- D will take

Answer: B

Question 85

Select the most appropriate option to fill in blank No.4.

- A it
- B her
- C them
- D his

Answer: B

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Question 86

Select the most appropriate option to fill in blank No.5.

- A behind
- B beside
- C against
- D around

Answer: B

Instructions

For the following questions answer them individually

Question 87

In the sentence identify the segment which contains the grammatical error.
Each of the girls have given an impressive dance performance.

- A an impressive
- B have given
- C dance performance
- D Each of the girls

Answer: B

Question 88

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

Let us not neglect important aspects of life although pursue momentary pleasures.

- A by pursued moment pleasures.
- B No improvement
- C while pursuing momentary pleasures.
- D through pursued in momentary pleasures.

Answer: C

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Question 89

Given below are four jumbled sentences. Select the option that gives their correct order.

- A. Only the fittest creatures can survive while competing for food.
- B. Why do some species survive and others become extinct?
- C. His answer was that there is ceaseless struggle for life among all creatures.
- D. This was the question that Darwin asked himself.

- A BCDA
- B ADCB
- C BDCA
- D ABDC

Answer: C

Question 90

Select the most appropriate antonym of the given word.

TRANSIENT

- A permanent
- B temporal
- C celestial

D stationary

Answer: A

Question 91

Select the most appropriate meaning of the underlined idiom in the given sentence.
The heavy losses in business came like a bolt from the blue.

A a windfall

B an ominous warning

C an unexpected disaster

D a thunderstorm

Answer: C

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Question 92

Select the most appropriate synonym of the given word.
RETICENT

A extrovert

B garrulous

C confident

D silent

Answer: D

Question 93

Select the correct passive form of the given sentence.
Some people believe that discipline means blind submission to authority.

A It has been believed by some people that discipline means blind submission to authority.

B It was believed by some people that discipline meant blind submission to authority.

C It is believed by some people that discipline means blind submission to authority.

D It is belief by some people that discipline means blind submission to authority.

Answer: C

Question 94

Select the correct active form of the given sentence.
The hunchback was being laughed at by everyone.

A Everyone laughs at the hunchback.

B Everyone was laughing at the hunchback.

C Everyone is laughing at the hunchback.

D Everyone laughed at the hunchback.

Answer: B

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Question 95

Given below are four jumbled sentences. Select the option that gives their correct order.

- A. What can we do to avoid anger and provocation?
- B. Anger and tension are prevalent due to conflicts arising out of these differences.
- C. The society is full of people who think and act differently.
- D. We need to develop in ourselves the capacity for conversion to turn negative experiences into positive thinking.

A ABDC

B CBAD

C ACBD

D CADB

Answer: B

Question 96

Select the most appropriate synonym of the given word.

FURY

A fright

B sorrow

C cruelty

D anger

Answer: D

Question 97

Fill in the blank with the most appropriate word.

The old man wished to donate his wealth for the upliftment of the downtrodden.

A immense

B elusive

C intense

D eminent

Answer: A

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Question 98

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

If so many catches had not being dropped, we would have won the match.

- A had not being dropped
- B won the match
- C If so many catches
- D we would have

Answer: A

Question 99

Select one word substitution for the given words.
To give up the throne

- A usurp
- B abdicate
- C consign
- D bequeath

Answer: B

Question 100

Select the most appropriate antonym of the given word.
LIBERTY

- A freedom
- B slavery
- C reservation
- D autonomy

Answer: B

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