

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Welcome to our comprehensive blog, offering insights into SSC CGL Tier II Previous Year Paper 2022 Solutions. Understanding the pivotal role of a well-structured study plan in your SSC CGL Tier II exam preparation, we are excited to provide you with detailed solutions to the 2022 Previous Year Question Paper. Our goal is to equip you with the knowledge and confidence essential for success by delving into the intricacies of this paper.

By delving into these solutions, you will not only gain valuable insights into the types of questions typically encountered in the SSC CGL Tier II exam but also develop an understanding of the expected level of complexity. Our primary objective is to facilitate your exam preparation journey, assisting you in gaining a deep comprehension of the exam pattern and honing your problem-solving skills.

If you haven't attempted the [SSC CGL Tier II Previous Year Paper from 2022](#), you can access it through the provided link. So, without further delay, let's embark on the journey of exploring the solutions for the 'SSC CGL Tier II Previous Year Paper 2022'.



[Source: KD Live]

SSC CGL Tier II Previous Year Paper 2022 Solutions

Q:1 The correct answer is **option 1** i.e. **14**

Given that

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

$$\frac{1}{x} + x = 4$$

Square on both sides

$$\frac{1}{x^2} + x^2 + 2 = 16$$

$$\frac{1}{x^2} + x^2 = 16 - 2 = 14$$

Q:2 The correct answer is **option 1** i.e. **4**

Check the divisibility rule by taking Options one by one

The number 5769116 is divisible by 4 when the last two digit is divisible by 4

16 is divided by 4 then this whole number is divisible by 4

Hence, the number 5769116 is divisible by 4

Q:3 The correct answer is **option 1** i.e. **20**

Given that

23, 17, 20, 19, 21

Arithmetic Mean = Sum of the numbers/Total number of observations

$$= (23 + 17 + 20 + 19 + 21)/5 = 100/5 = 20$$

Q:4 The correct answer is **option 3** i.e. **172.5**

Let the height of the light tower = h meter

The distance between the ships = $230\sqrt{3}$ m

In triangle AOC

$$\tan 30^\circ = h/OC$$

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

$$OB = h/\sqrt{3} \dots\dots\dots(2)$$

Equation 1 + Equation 2

$$OC + OB = h(\sqrt{3} + (1/\sqrt{3})) = 4h/\sqrt{3}$$

$$230\sqrt{3} = 4h/\sqrt{3}$$

$$4h = 690$$

$$h = 172.5 \text{ m}$$

Q:5 The correct answer is **option 1** i.e. **45° and 15°**

Given that

$$\text{If } \tan(A+B) = \sqrt{3}$$

$$A + B = 60^\circ \dots\dots\dots(1)$$

$$\tan(A - B) = \frac{1}{\sqrt{3}}$$

$$A - B = 30^\circ \dots\dots\dots(2)$$

After solving the equation 1 and 2

$$A = 45^\circ \text{ and } B = 15^\circ$$

Q:6 The correct answer is **option 2** i.e. $3\frac{1}{3}\%$

Formula used

$$\text{Simple interest} = \text{Sum} * \text{rate} * \text{time}/100$$

Calculations

$$\text{Difference in Si} = 800 = 8000 * (R_1 - R_2) * 3/100$$

$$R_1 - R_2 = 10/3 = 3\frac{1}{3}\%$$

Q:7 The correct answer is **option 3** i.e. **29.16 litres**

Given that

Initially, we had 40 liters of milk

4 liter is replaced with water 3 times

Formula used

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Final quantity = Initial quantity * $[1 - (\text{replace quantity}/\text{total quantity})]^{\text{times}}$

Calculation

$$\text{Final quantity} = 40 * (1 - (4/40))^3$$

$$= 40 * (9/10)^3 = 40 * 729/1000 = 29.16 \text{ litres}$$

Q:8 The correct answer is **option 4** i.e. **1100**

Given that

If we have to mark the inside edges of the path that means the perimeter of the rectangle has sides 118 m in length and 102 m in breadth.



$$\text{Perimeter} = 2 (l \times b) = 2 (118 + 102) = 2 \times 220 = 440 \text{ m}$$

cost of 1 m is 2.5 Rs

$$\text{then for 440 m} = 440 \times 2.5 = \text{Rs. } 1100$$

Q:9 The correct answer is **option 1** i.e. **221**

Given that

The equations $17x + my + 102 = 0$ and

$$23x + 299y + 138 = 0$$

As we know for equation

$$a_1x + b_1y + c_1 = 0 \text{ and } a_2x + b_2y + c_2 = 0$$

Infinite no. of solution

$$a_1/a_2 = b_1/b_2 = c_1/c_2$$

$$\text{Hence, } 17/23 = m/299$$

$$m = 17 \times 13 = 221$$

Q:10 The correct answer is **option 3** i.e. **45**



SSC CGL Previous Year Paper 2022 Solutions - Download PDF

The average of the cubes of first 5 natural numbers = $5 * [(5 + 1)/2]^2$

$$= 5 * 9 = 45$$

Q:11 The correct answer is **option 3** i.e. **7.98**

Given that

The speed of the boat = 10 km/h

The speed of the stream = 4.5 km/h

Downstream speed = $10 + 4.5 = 14.5$ km/h

Upstream speed = $10 - 4.5 = 5.5$ km/h

Let the distance of one side = x km

According to the question

$$x/14.5 + x/5.5 = 2$$

$$x [(2/31) + (2/11)] = 2$$

$$x = 31 * 11/42 = 341/42 = 7.98 \text{ km}$$

Q:12 The correct answer is **option 2** i.e. **Only (i) and (iii)**

Given that

$\triangle PQR$ will be an isosceles triangle.

O is an interior point of $\triangle PQR$ such that $\angle OPR = \angle ORP$

So, $OP = OR$

Hence, 1st statement is true.

O is the centroid of $\triangle PQR$, is not found, so the second statement is false.

$\triangle PQO \cong \triangle RQO$ with the condition (Side side side) $PO = OR$, $PQ = RQ$, $OQ = OQ$

So, statement iii is also true.

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Formula used

$$\cos(A + B) = \cos A \cos B - \sin A \sin B$$

Calculation

$$\sin 25^\circ \sin 65^\circ - \cos 25^\circ \cos 65^\circ$$

$$- \cos(25 + 65) = - \cos 90^\circ = 0$$

Q:14 The correct answer is **option 2** i.e. **23.08%**

Given that

$$CP = 5000 \text{ and } SP = 6000$$

$$\text{Profit} = (SP - CP) = 6000 - 5000 = 1000$$

$$\text{Now new CP} = 8000$$

$$\text{New SP} = 10000$$

$$\text{Then, New Profit} = 10000 - 8000 = 2000$$

$$\text{total profit} = 1000 + 2000 = 3000$$

$$\text{Total CP} = 5000 + 8000 = 13000$$

$$\text{Overall percentage} = [3000/13000] * 100 = 300/13 = 23.08\%$$

Q:15 The correct answer is **option 4** i.e. **2**

As we know that

$$\text{one number} * \text{other number} = \text{LCM} * \text{HCF}$$

Calculation

$$(\text{one number})/10 * (\text{second number}/10) = \text{first} * \text{second} = 1500/100 = 15$$

$$\text{pair of first and second independent factors of } 15 = (5, 3) (15, 1)$$

Hence, there are 2 possible pairs

Q:16 The correct answer is **option 2** i.e. **72.96%**

Given that

If the radius of a sphere is decreased by 48%

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

then percent does its surface area decrease = successive of 48% and 48%

$$= 48 + 48 - (48 * 48 / 100) = 96 - 23.04 = 72.96\%$$

Q:17 The correct answer is **option 1** i.e. **21120**

Given that

The income of two employees = $7x$ and $4x$

The expenditure of two employees = $3y$ and y

Savings are equal of both employees = 4800 Rs

we know that

$$\text{Income} = \text{Expenditure} + \text{Savings}$$

According to the question

$$7x - 3y = 4x - y$$

$$3x = 2y$$

$$x/y = 2/3$$

$$\text{Hence, } 7x - 3y = 7 * 2 - 3 * 3 = 14 - 9 = 5 \text{ units} = 4800$$

$$22 \text{ units} = 4800 * 22 / 5 = 21120 \text{ Rs}$$

Q:18 The correct answer is **option 4** i.e. **46**

Given that

$$30 - [40 - \{56 - (25 - 13 - 12)\}]$$

$$= 30 - [40 - \{56 - 0\}]$$

$$= 30 - (-16)$$

$$= 30 + 16 = 46$$

Q:19 The correct answer is **option 4** i.e. **7**

Given that

$$\sqrt{8 + \sqrt{1681}}$$

$$\Rightarrow \sqrt{8 + 41}$$

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

$$\Rightarrow \sqrt{49} = 7$$

Q:20 The correct answer is **option 3** i.e. **4851cm³**

Given that

Sides of cube = 21cm

This side of the cube is the diameter of the largest sphere which is carved from it.

Radius = 21/2 cm

Volume of sphere = $\frac{4}{3} \pi r^3 = \left(\frac{4}{3}\right) * \left(\frac{22}{7}\right) * \left(\frac{21}{2}\right)^3$

$$= 4851 \text{ cm}^3$$

Q:21 The correct answer is **option 4** i.e. **18 cm**

Given that

In a cyclic quadrilateral ABCD

If AB = 18 cm, BC = 21 cm and AD = 15 cm,

As we know the property of cyclic quadrilateral ABCD

The sum of parallel sides equal to each other

$$AB + CD = BC + AD$$

$$18 + CD = 21 + 15$$

$$CD = 36 - 18 = 18 \text{ cm}$$

Q:22 The correct answer is **option 3** i.e. **308**

Given that

A basket contains 350 eggs

If 12% of the eggs are rotten

$$\text{Then, remaining eggs} = 350 * 0.88 = 308$$

Q:23 The correct answer is **option 4** i.e. **₹1,680**

Given that

If interest is compounded half-yearly

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Rate $r = 20\%/2 = 10\%$

Years $n = 1 * 2 = 2$ years

Principal amount $P = 8000$ Rs

$$CI = P * (1 + (r/100))^n - P$$

$$= 8000 * (1 + (10/100))^2 - 8000$$

$$= 8000 * 121/100 - 8000 = 80*121 - 8000 = 1680 \text{ Rs}$$

Q:24 The correct answer is **option 4** i.e. **28.33**

Formula used

$$\text{Mode for class interval} = l + [(f_1 - f_0)/(2f_1 - f_0 - f_2)] \times h$$

Where, l = lower limit of model frequency

f_1 = model frequency

f_0 = preceding frequency of model frequency

f_2 = succeeding frequency of model frequency

h = class interval

Calculation

$$l = 25, f_1 = 11, f_0 = 9, f_2 = 10, h = 5$$

$$\text{Mode} = 25 + [(11 - 9)/(2 \times 11 - 9 - 10)] \times 5$$

$$= 25 + 10/3$$

$$= 25 + 3.33$$

$$= 28.33$$

Q:25 The correct answer is **option 2** i.e. $\frac{11}{21}$

Given that

A glass jar contains 6 white, 8 black, 4 red, and 3 blue marbles

$$\text{Total marbles} = 6 + 8 + 4 + 3 = 21$$

$$\text{the probability that it is black or blue} = (8/21) + (3/21) = 11/21$$

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Q:26 The correct answer is **option 2** i.e. **0**

Given that

$AB = 9 \text{ cm}$ $BC = 11 \text{ cm}$ $AC = 20 \text{ cm}$

The property of the formation of a triangle is the sum of any two sides must be greater than the 3rd side.

i.e. $a + b > c$ where a, b, c are three sides of the triangle.

$AB + BC = AC \therefore$ No triangle can be formed using the three sides given.

No circle will pass through the points A, B , or C .

Q:27 The correct answer is **option 3** i.e. **1,56,250**

Given that

Selling price $SP = ₹87500$

Discount % $D = 44\%$

Marked price $MP = SP / (100 - D) = 87500 / (100 - 44)\% = 87500 / 0.56 = ₹156250$

Q:28 The correct answer is **option 3** i.e. **8:9:12**

Given that

A, B , and C made certain investments and the ratio of their time periods is $3:2:7$

The ratio of the profits of A, B , and C is $4:3:14$ respectively

A, B , and C made certain investments = The ratio of the profits of A, B , and C / the ratio of their time periods

A, B , and C made certain investments = $(4/3) : (3/2) : (14/7) = 8:9:12$

Q:29 The correct answer is **option 1** i.e. **22 : 25**

According to the question

The first number = 110% of the third number

The second number = 125% of the third number

First number/ second number = $110 / 125 = 22/25$

Hence required ratio = $22 : 25$

:30 The correct answer is **option 4** i.e. $44\frac{20}{29}$

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Given that

There are three taps A, B, and C of diameter 2 cm, 3 cm, and 4 cm, respectively.

The ratio of the water flowing through them is equal to the ratio of the square of their diameters

According to the question

Now, the efficiency of taps A, B, and C = 4, 9, and 16 respectively

Total Capacity (work) = $81 \times 16 = 1296$ min

If all the taps are opened simultaneously then tank fill in = $1296 / (4 + 9 + 16)$

= $1296 / 29 = 44 \frac{20}{29}$ min

Q:31 The correct answer is **option 3** i.e. **If only II follows.**

Given Statement:

National Expressway-A is the widest expressway and is used by a few people. When people find an empty and wide road, people drive at high speed, which leads to accidents.

Inference:

I. All accidents happen due to overspeeding.

We cannot surely say that all accidents are due to overspeeding. It can be for some other reasons like drunk driving, drowsy driving, etc.

II. High speed increases the risk of accidents.

We can say that high speed can be one of the reasons for the road accident. Hence, we can say that inference II follows.

Q:32 The correct answer is **option 2** i.e.

All the arrows move in such a manner: +1, +2, +1, etc.

All the arrows are rotating on their own axis by 90 degrees in clockwise direction.

Q:33 The correct answer is **option 3** i.e. **Only conclusion II is true.**

Statement: $M < K > I < J > H = G \leq F$

Conclusions:

I. $H = F$: **False** ($H = G \leq F$ which means $H \leq F$)

II. $I < G$: **True** ($I < H = G \Rightarrow I < G$)

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Hence, **Only conclusion II is true.**

Q:34 The correct answer is **option 3** i.e. **17 – 9 – 17 – 15 – 6.**

The logic used here is:

CLOCK is written as 4 – 13 – 17 – 4 – 12

$$C + 1 = 4$$

$$L + 1 = 13$$

$$O + 2 = 17$$

$$C + 1 = 4$$

$$K + 1 = 12$$

Similarly,

Code for the word PHONE:

$$P + 1 = 17$$

$$H + 1 = 9$$

$$O + 2 = 17$$

$$N + 1 = 15$$

$$E + 1 = 6$$

Hence, **option 3** is the correct answer.

Q:35 The correct answer is **option 2** i.e. .

The logic used here is:

Logic between A and B:

1. The top left corner figure goes inside the triangle and the mirror image of the top left figure now goes to the bottom left corner.
2. The mirror image of the bottom right corner figure now goes to the top left corner.

Similarly; the pattern will be followed by C and D.

1. The top left corner figure goes inside the circle and the mirror image of the top left figure now goes to the bottom left corner.

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

2. The mirror image of the bottom right corner figure now goes to the top left corner.

The pattern is:

Q:36 The correct answer is **option 1** i.e. .

The logic used here is:

Both the eyes of the smiley are on the same side but in option 1 both the eyes are on the opposite side.

Hence, **option 1** is the odd one out.

Q:37 The correct answer is **option 3** i.e. (16, 43, 22).

The logic used here is:

(11, 33, 17)

$11 + 17 = 28$

$28 + 5 = 33$

(18, 44, 21)

$18 + 21 = 39$

$39 + 5 = 44$

Similarly,

(16, 43, 22)

$16 + 22 = 38$

$38 + 5 = 43$

Hence, **option 3** is the correct answer.

Q:38 The correct answer is **option 1** i.e.

The outer design is concave and then convex in alternate steps.

The design inside the flower is lined only once, and then design inside the flower is circled twice, therefore again the flower is lined but this time the design will repeat 3 times.

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

From the above tree, D is the son of M.

Hence, **option 4** is the correct answer.

Q:40 The correct answer is **option 3** i.e. **Both I and II are effects of independent causes.**

Given statements:

I. This year College X reduced the cut-off marks to 50 from 60 for the entrance exam.

For some reason, the cut-off for the college X has been reduced. So, it is an effect for an independent cause.

II. In the last two years, the Students Union in College X has been actively negotiating with the college administration regarding the Quality of food and Health and Hygiene standards at the College Canteen.

For the Quality of food and Health and Hygiene standards, the student union is negotiating with the college administration. So, it is an effect for an independent cause.

Q:41 The correct answer is **option 3** i.e. **Only 2 does not follow.**

The least possible Venn Diagram for the given statements is drawn below:

Conclusions:

1) All P being C is a possibility → **True** (As all P are G, some G are B, and all B are C, so, all P being C is a possibility.)

2) Some P are B → **False** (It is possible, but no definite conclusion can be drawn.)

3) Some C are G → **True** (As some G are B, and all B are C, so, some C are G is also true.)

4) Some G are P → **True** (As all P are G, some G are P is also true.)

Hence, **Only 2 does not follow.**

Q:42 The correct answer is **option 1** i.e.

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Position of Priya from the left = 18th

Number of people between Akash and Priya = Total number of students - (Position of Akash from the right + Position of Priya from the left) = $32 - (12 + 18) = 32 - 30 = 2$

Q:44 The correct answer is **option 2** i.e. # = FHT, % = NFJ.

The logic used here is:

Given: #: DKR :: PCL: %

Option 1: # = BNQ, % = NFM

BNQ: DKR:: PCL: NFM

$B - 2 = D$

$N - 3 = K$

$Q + 1 = R$

$P - 2 = N$

$C + 3 = F$

This does not follow the logic.

Option 2: # = FHT, % = NFJ

FHT: DKR:: PCL: NFJ

$F - 2 = D$

$H + 3 = K$

$T - 2 = R$

$P - 2 = N$

$C + 3 = F$

$L - 2 = J$

This follows the logic.

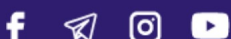
Hence, **option 2** is the correct answer.

Q:45 The correct answer is **option 1** i.e.

.

... .. 1.5

Follow us on



Address : 1997, Mukherjee Nagar, 110009

Email : online@kdcampus.org

Call : +91 95551 08888

Download the App



SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Q:46 The correct answer is **option 1** i.e. $\times, -, \div, +$.

Given equation: $21 \times 3 - 36 \div 2 + 23 = 68$

Let us check all the options:

Option 1: $\times, -, \div, +$

The expression becomes:

$$= 21 \times 3 - 36 \div 2 + 23 = 68$$

$$= 21 \times 3 - 18 + 23$$

$$= 63 - 18 + 23$$

$$= 68 \text{ is equal to } 68.$$

As we have found our answer, so, there is no need to check further options.

Hence, **option 1** is the correct answer.

Q:47 The correct answer is **option 3** i.e. **E W T G R Q W**.

The sequence is – E W T G R Q W

Given sequence: Q W _ R T Q _ F R _ Q W _ _ T _ _ H R T

Option 1: F W T G R Q X

Q W F R T / Q W F R T / Q W G R T / Q X H R T

Option 2: E X T G R Q X

Q W E R T / Q X F R T / Q W G R T / Q X H R T

Option 3: E W T G R Q W

Q W E R T / Q W F R T / Q W G R T / Q W H R T

Option 3 forms a particular pattern. So, there is no need to check further options.

Hence, **option 3** is the correct answer.

Q:48 The correct answer is **option 1** i.e. .

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Q:49 The correct answer is **option 4** i.e. **4, 5, 6, 2, 3, 1**.

We need to form a meaningful word by the number that has been denoted to each of the given letters.

P = 4, U = 5, Z = 6, Z = 2, L = 3, E = 1

So, the word formed is PUZZLE.

Q:50 The correct answer is **option 1** i.e. **100**.

The logic used here is:

'PAINT' is written as '80'

Opposite of P = K = 11

Opposite of A = Z = 26

Opposite of I = R = 18

Opposite of N = M = 13

Opposite of T = G = 7

PAINT = 11 + 26 + 18 + 13 + 7 = 75

Number of letters in the word PAINT = 5

PAINT = 75 + 5 = 80

'DROP' is written as '59'

Opposite of D = W = 23

Opposite of R = I = 9

Opposite of O = L = 12

Opposite of P = K = 11

DROP = 23 + 9 + 12 + 11 = 55

Number of letters in the word DROP = 4

DROP = 55 + 4 = 59

Similarly;

Code for the word MARKET:

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Opposite of M = N = 14

Opposite of A = Z = 26

Opposite of R = I = 9

Opposite of K = P = 16

Opposite of E = V = 22

Opposite of T = G = 7

MARKET = 14 + 26 + 9 + 16 + 22 + 7 = 94

Number of letters in the word MARKET = 6

MARKET = 94 + 6 = 100

Hence, **option 1** is the correct answer.

Q:51 The correct answer is **option 2** i.e. **Keynote**.

The logic used here is:

Excel, PowerPoint, and Word are applications of Microsoft, whereas Keynote is a presentation software application developed as a part of the iWork productivity by Apple.

Hence, **option 2** is the odd one out.

Q:52 The correct answer is **option 4** i.e. **323**.

Given series: 58, 179, ?, 492, 688

The series follows this pattern:

$$58 + 11^2 = 58 + 121 = 179$$

$$179 + 12^2 = 179 + 144 = 323$$

$$323 + 13^2 = 323 + 169 = 492$$

$$492 + 14^2 = 492 + 196 = 688$$

So, the next term in the series is **323**.

Q:53 The correct answer is **option 1** i.e. **Data in statements I and II together is sufficient to answer the question**.

Given statement:

(I) H faces K; L faces an immediate neighbour of H.

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

From the above statement the arrangement is;

(II) G sits at one of the extreme ends of the row; J sits to the immediate left of L.

From the above statement the arrangement is;

Combining statements I and II, the arrangement is;

Hence, both statements together are needed to answer the question of who faces G. Thus, G faces J.

Q:54 The correct answer is **option 3** i.e. **5**.

Given equation: $5 \div 5 + 5 - 10 \times 10 = ?$

Given conditions: + means -, - means x, x means ÷, and ÷ means +

After interchanging the expression becomes:

$$= 5 + 5 - 5 \times 10 \div 10$$

$$= 5 + 5 - 5 \times 1$$

$$= 5 + 5 - 5$$

$$= 5$$

Q:55 The correct answer is **option 2** i.e. **Either data in statement I or statement II is sufficient to answer the question.**

Given statements:

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

From the above arrangement, R sits to the immediate right of K.

Hence, Either data in statement I or statement II is sufficient to answer the question.

Q:56 The correct answer is **option 1** i.e. **Both I and II follow**.

Given statement:

A large number of the people of the city are diagnosed to be suffering from Malaria disease.

Course of Action:

I. The city municipal authorities should take immediate steps to carry out extensive fumigation in the city.

To avoid people getting diagnosed with Malaria, pest control or filling the area with gaseous pesticides can be one step.

II. The people in the area should be advised to take steps to avoid mosquito bites.

Awareness among the people should be raised against mosquito bites.

Hence, both statements I and II follow.

Q:57 The correct answer is **option 2** i.e. .

The mirror image of the question figure is shown below:

Since the mirror is placed right to the question figure, the right-hand side of the original image will now be the left-hand side of the mirror image.

Hence, **option 2** is the correct answer.

Q:58 The correct answer is **option 1** i.e. **D**.

According to the question, the arrangement is as follows:

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

$$(5)^3 + 3 = 125 + 3 = 128$$

This follows the logic.

Option 2: 3: 30

$$(3)^3 + 3 = 27 + 3 = 30$$

This follows the logic.

Option 3: 7: 352

$$(7)^3 + 3 = 343 + 3 = 347$$

This does not follow the logic.

Hence, **option 3** is the odd one out.

Q:60 The correct answer is **option 3** i.e. **Daughter's daughter**.

In the diagram shown;

Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters, and double lines show a couple.

From the above tree, N is the daughter's daughter of F.

Hence, **option 3** is the correct answer.

Q:61 The correct answer is **option 1** i.e. **adjoining**.

'Contiguous' means next to each other.

Adjoining means joined to something.

Spreading means to extend the range.

Far off means a great distance away.

Separated means to make people move apart.

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Q:63 The correct answer is **option 2** i.e. **Both A and B are true and B is the correct reason for A.**

Given statements:

A. The US Air Force shot down the Chinese balloon over US territorial waters.

B. Tensions between China and the US have increased and the visit of the U.S. Secretary of State to Beijing has been postponed.

From the lines, 'Chinese spy balloons have flown over more than 40 nations in five continents. On February 4, the U.S. Air Force shot down the balloon over U.S. territorial waters off the coast of South Carolina, on the order of U.S. President Joe Biden. Debris from the wreckage was recovered and sent to the FBI Laboratory in Quantico, Virginia, for analysis. The incident increased U.S.-China tensions.' B is the correct reason for A.

Q:64 The correct answer is **option 2** i.e. **a Chinese spy balloon flying over US and Canadian territories.**

As the passage talks about the balloon and how it was used for surveillance, how they carried antennas and other equipment, so, the passage is mainly about a Chinese spy balloon flying over US and Canadian territories.

Q:65 The correct answer is **option 3** i.e. **A pair of shorts.**

From the lines, 'The stream changes into a white torrent, and as we climb higher I wish more and more that I had brought with me something warmer than the pair of shorts that have served me so well in the desert.' we can say that the protagonist was wearing a pair of shorts in the bus.

Q:66 The correct answer is **option 3** i.e. **Serene.**

As the passage talks about the beauty of Heaven Lake, the tone of the passage is serene which means calm and peaceful.

Meaning of other words:

Romantic: having a quality that strongly affects your emotions.

Angry: strong resentment.

Agitated: worried.

Q:67 The correct answer is **option 2** i.e. **Lake Heaven.**

The passage talks about Heaven Lake's beauty and the protagonist's journey to it. So, the most appropriate title for the passage is Lake Heaven.

Q:68 The correct answer is **option 3** i.e. **Decline.**

Antonym: a word opposite in meaning to another.

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Accept means to say yes to something.

Decline is the correct antonym that means to refuse.

Meaning of other words:

Reject: to refuse.

Refuse: to decline to give.

Turn down: reject something offered.

Q:69 The correct answer is **option 4** i.e. **Indians going abroad for higher studies.**

The first line of the passage talks about the number of students going abroad and the whole passage is about it. So, the passage is mainly about Indians going abroad for higher studies.

Q:70 The correct answer is **option 2** i.e. **from the Immigration Statistics Report.**

From the lines, 'For the UK, the Immigration Statistics Report states that 127,731 visas were granted to Indian students in September 2022, an increase of 93,470 (+273 percent) against 34,261 in 2019', it is clear that from the Immigration Statistics Report we know the number of students getting visas for studies in the UK.

Q:71 The correct answer is **option 4** i.e. **China.**

From the lines, 'The increase in the number of Indian nationals abroad corresponds with the latest immigration reports from some of the popular study-abroad destinations such as the US, UK, and Australia.' it is clear that China is not very popular with Indian students for studies.

Q:72 The correct answer is **option 3** i.e. **5.86 lakh.**

From the lines, 'There was a significant increase in 2019 as well, with 5.86 lakh students flying out of the country.' it is clear that in 2019, 5.86 lakh Indian students went abroad.

Q:73 The correct answer is **option 3** i.e. **few.**

The passage talks about the Massais. The sentence talks about a temporary home called Manyatta where they live. So, the appropriate word for the filler is 'few which is used to refer to a small period of time.

Q:74 The correct answer is **option 3** i.e. **on.**

The passage talks about the Massais. The sentence talks about the people who move here and there according to the seasons. So, the appropriate word for the filler is 'on' which is used to refer to the grasses where their cattle can graze.

Q:75 The correct answer is **option 1** i.e. **consists.**

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

The passage talks about the Massais. The sentence talks about the structure of plains of southern and northern Kenya and northern Tanzania where they live. So, the appropriate word for the filler is 'consists' means made up of.

Q:76 The correct answer is **option 2** i.e. **a**.

The passage talks about the Massais. The first sentence talks about the location in Africa. So, the appropriate word for the filler is 'a'.

Q:77 The correct answer is **option 2** i.e. **My brother forbade me to play in the rain.**

Given sentence: My brother said to me, "Don't play in the rain."

In indirect speech, we need to remove commas and inverted commas.

'said to' is changed to forbade me which means to not allow something.

So, the final sentence is:

My brother forbade me to play in the rain.

Q:78 The correct answer is **option 4** i.e. **Please consider my request.**

Given sentence: My request should be considered. (Passive voice)

Structure of passive voice: Objective case of subject + should + be + V3 + Subjective case of object

Structure of active voice: Subject + V1 + Object

Sentence in active voice: Please consider my request.

Q:79 The correct answer is **option 1** i.e. **DCAB.**

- The given question is an example of para jumbles.
- Sentence D will be the first sentence as it talks about the main subject ethical questions that are asked related to health and health care.
- Sentence C further gives more information about the age-old trial of Nuremberg.
- Sentence A will follow sentence C as it tells more information about those trials.
- Sentence B will be the last sentence as it concludes the para.

The correct sequence is:

D. Ethical questions related to health, health care, and public health cover topics as diverse as moral issues around reproduction, state obligations in the provision of health care services, and appropriate measures to control infectious disease.

C. Recent formal efforts to articulate international standards of ethics applicable to health and health care can be traced to the Nuremberg trials of 1947, during which the horrors of Nazi medical experiments came to light.

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

A. The principles that emerged from those trials, known as the Nuremberg Code, are broadly applicable to many types of health-related research involving human participants, including clinical trials.

B. The growing breadth and complexity of contemporary health challenges have produced a range of difficult questions that cannot always be adequately addressed by relying exclusively on existing policies, guidelines, or codes of conduct.

Q:80 The correct answer is **option 4** i.e. **more**.

The sentence talks about the comparison of the current and previous house. So, the appropriate determiner for the filler is 'more' which is used to indicate that there is a greater amount of something than before.

Sentence: The house they bought was **more** spacious than their previous house.

Q:81 The correct answer is **option 2** i.e. **BDAC**.

The given question is an example of para jumbles.

Sentence B will be the first sentence as it talks about the storytelling that is very popular in India.

Sentence D further gives examples of works that are very famous.

Sentence A will be following sentence D as it tells about how both stand out in front of Shakespeare and Homer.

Sentence C will be the last sentence as it concludes the para.

The correct sequence is:

B. India is a country where people are full of immense prolixity and exemplary storytelling.

D. Mahabharata and Ramayana are two great examples of colossal works that unquestionably enjoy the virtue of being peak sources for the cultural ethos of the country.

A. They stand undefeated in the realms of Shakespeare and Homer.

C. Additionally, the philosophical discourse and discussions on various dilemmas of life associated with the Bhagavad Gita are highly appreciated by scholars from all over the world.

Q:82 The correct answer is **option 3** i.e. **at a stone's throw**.

Idioms: A group of words established by usage as having a meaning not deducible from those of the individual words.

In this, you need to find an appropriate idiom that can replace the underlined phrase.

Given sentence: My father's office is at a close distance from home.

'At a stone's throw' means at a close distance.

Q:83 The correct answer is **option 4** i.e. **Fashion**.

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Synonym: Words that have the same or nearly the same meaning.

Given word: Vogue

Meaning: a fashion for something.

The word that seems to be its synonym is 'Fashion' as it means the style of dressing that is the most popular at a particular time.

Meaning of other words:

Demand: a strong request.

Obscurity: the state of not being known to many people.

Standard: a level of quality.

Q:84 The correct answer is **option 4** i.e. **systemetic**.

The incorrectly spelled word is 'systemetic'.

Correctly spelled word: Systematic

Meaning: done using a fixed plan.

Example: He is **systematic** in his work.

Q:85 The correct answer is **option 1** i.e. **Narcissist**.

One Word Substitution means using a specific word to replace a wordy phrase or sentence and making it shorter, concise, and clearer to understand.

A person who admires himself or herself too much, especially their appearance known as a **narcissist**.

An arrogantly conceited person is known as an egoist.

A person thinking only about your own needs or wishes and not about other people's is known as **selfish**.

A ruler who has total power in a country is known as a **dictator**.

Q:86 The correct answer is **option 1** i.e. **Shikha said that the heavy rain that week had spoiled all her travel plans**.

Given sentence: Shikha said, "The heavy rain this week has spoiled all my travel plans."

In indirect speech, we need to remove commas and inverted commas.

The first-person pronouns are changed to third-person pronouns, so, 'my' is changed to 'her'.

'This week' is replaced by 'that week'.

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

So, the final sentence is:

Shikha said that the heavy rain that week had spoiled all her travel plans.

Q:87 The correct answer is **option 1** i.e. **BDCA**.

The given question is an example of para jumbles.

Sentence B will be the first sentence as it talks about the trees and how they release oxygen to the atmosphere.

Sentence D further tells about the urban environments.

Sentence C will be following sentence D as it tells about the reasons for heat in urban areas.

Sentence A will be the last sentence as it concludes the para.

The correct sequence is:

B) Trees help to clean the air we breathe. Through their leaves and bark, they absorb harmful pollutants and release clean oxygen for us to breathe.

D) In urban environments, trees absorb pollutant gases like nitrogen oxides, ozone, and carbon monoxide, and sweep up particles like dust and smoke.

C) Increasing levels of carbon dioxide caused by deforestation and fossil fuel combustion trap heat in the atmosphere.

A) Healthy, strong trees act as carbon sinks, offsetting carbon and reducing the effects of climate change.

Q:88 The correct answer is **option 2** i.e. **kill**.

The sentence talks about the friends who wanted to do something while waiting for the cab. So, the appropriate word for the filler is 'kill' which means to put an end to.

Sentence: The friends decided to play cards to **kill** time while waiting for the cab.

Q:89 The correct answer is **option 2** i.e. **Lenient**.

Antonym: a word opposite in meaning to another.

Stern means very serious.

Lenient is the correct antonym that means not as strict as expected.

Meaning of other words:

Flippant: not serious enough about things.

Desolate: very unhappy.

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Noxious: harmful.

Q:90 The correct answer is **option 2** i.e. **d, a, b, c**.

The given question is an example of para jumbles.

Sentence d will be the first sentence as introduces power foods.

Sentence a further gives the reason why they are to be included in the diet by fitness trainers.

Sentence b will follow sentence a as it tells about the way to add it to the diet.

Sentence c will be the last sentence as it concludes the para.

The correct sequence is:

d. Power foods are high in nutrients such as fiber, potassium, and minerals.

a. Many fitness trainers encourage their clients to include these foods in their diet to build muscle.

b. Power foods can be included in your everyday diet in a variety of ways.

c. The secret to getting the most out of power foods is, of course, knowing how to cook them properly, buying seasonal produce, and recognizing your preferred flavor profile.

Q:91 The correct answer is **option 4** i.e. **less tragic than**.

Statement: Edward II is tragic than some other plays by the dramatist.

Some comparison is made between Edward and other dramatists, so, 'tragic than' is replaced by 'less tragic than'.

Correct statement: Edward II is **less tragic than** some other plays by the dramatist.

Q:92 The correct answer is **option 3** i.e. **Books can be bought online from Amazon**.

Given sentence: We can buy books online from Amazon. (Active voice)

Active voice: Subject + can + V1 + Object

Passive voice: Objective case of subject + can + be + V3 + Subjective case of object

Sentence in passive voice: Books can be bought online from Amazon.

Q:93 The correct answer is **option 1** i.e. **Someone has completed the task**.

Given sentence: The task has been completed. (Passive voice)

The given sentence is in the present perfect tense.

Structure of passive voice: Objective case of subject + has + been + V3 + by + Subjective case of object

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Structure of active voice: Subject + has + V2 + Object

Sentence in active voice: Someone has completed the task.

Q:94 The correct answer is **option 2** i.e. **Raghav asked Meera if she was upset with him.**

Given sentence: Raghav said to Meera, "Are you upset with me?"

In indirect speech, we need to remove commas and inverted commas.

The first-person pronouns are changed to third-person pronouns, so, 'me' is changed to 'him'.

Since Raghav is asking a question to Meera, so, asked is added.

So, the final sentence is:

Raghav asked Meera if she was upset with him.

Q:95 The correct answer is **option 4** i.e. **Desedent.**

The incorrectly spelled word is 'Desedent'.

Correctly spelled word: Decedent

Meaning: a deceased person.

Example: The judge will assess the situation, taking into account the wishes of the **decedent**.

Q:96 The correct answer is **option 1** i.e. **My father give up.**

Given sentence: My father give up / smoking when / I was twelve / years old.

As the sentence is in the past tense, so, 'My father give up' should be replaced by 'My father gave up' which means to stop trying to do something.

Correct sentence: **My father gave up** / smoking when / I was twelve / years old.

Q:97 The correct answer is **option 3** i.e. **aloud**

The sentence talks about reading the story by Vishal. So, the most appropriate word for the filler is 'aloud' which means in a voice that other people can hear.

Sentence: Vishal is going to read the story **aloud**.

Q:98 The correct answer is **option 2** i.e. **No error.**

Given sentence: He lived close to / the train station, / yet travelled by bus.

The given sentence is correct contextually and grammatically. Hence, no improvement is needed.

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Q:99 The correct answer is **option 4** i.e. **S, P**.

The given question is an example of para jumbles.

Sentence S will follow S1 as in sentence S1, it tells about filling the room with the conversation. So, sentence S talks about the orientation of chairs in the room.

Sentence P will be following sentence S as it tells about the sitting posture of men and women in the room.

The correct sequence is:

(S1) The men and women took their places after the initial mingling, and immediately a surge of conversation filled the room.

(S2) (S) The men's chairs were far enough away from the women's couches.

(S3) (P) So, the two parties had to lean forward, their elbows on their knees.

(S4) One or two of the women were actually bouncing up and down on the sofa cushions.

Q:100 The correct answer is **option 3** i.e. **route**

In the sentence, a question is asked regarding how the minister reaches the assembly. So, the appropriate word for the filler is 'route' which means is a traveled way.

Sentence: Which **route** does the minister take to reach the Assembly?

Q:101 The correct answer is **option 1** i.e. **Barely managed to escape**.

Idioms: A group of words established by usage as having a meaning not deducible from those of the individual words.

'By the skin of his teeth' means by a very narrow margin.

Example: He escaped from the police **by the skin of his teeth**.

Q:102 The correct answer is **option 3** i.e. **face**.

The sentence talks about the leader handling the criticism. So, the appropriate word for the filler is 'face' which means to have to deal with something unpleasant.

Sentence: A good leader should be ready to **face** criticism.

Q:103 The correct answer is **option 4** i.e. **ACBD**.

The given question is an example of para jumbles.

Sentence A will be the first sentence as it talks about the largest cat family.

Sentence C further gives more information about the tigers and their species.

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

Sentence B will be following sentence C as it tells about their habitat and food.

Sentence D will be the last sentence as it concludes the para.

The correct sequence is:

A. Tigers are the largest members of the cat family. They are found in many parts of Asia.

C. It is assumed that, probably, around 3,000 tigers live in the wild. This species looks spectacular and grand and they are very graceful in their movements.

B. They mostly live in dark forests and sleep during the day. They come out for hunting pigs and deer by night.

D. It is almost impossible for us to see them against a jungle background, especially when they are standing still, because of their striped coats. Unlike, most cats, the tiger likes bathing very much.

Q:104 The correct answer is **option 4** i.e. **Sabotage**.

One Word Substitution means using a specific word to replace a wordy phrase or sentence and making it shorter, concise, and clearer to understand.

Damage that is done on purpose and secretly is known as **sabotage**.

An event that causes a lot of harm or damage is known as a **disaster**.

The process of burning is known as **combustion**.

A terrible event that causes a lot of damage or harm is known as a **calamity**.

Q:105 The correct answer is **option 4** i.e. **Tiny**.

Antonym: a word opposite in meaning to another.

Colossal means extremely large.

Tiny is the correct antonym that means very small.

Meaning of other words:

Enormous: very big.

Extraordinary: very unusual.

Quaint: attractive because it seems to belong to the past.

Q:106 The correct answer is **option 1** i.e. **6 Ω**

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

- Voltage (V) = 18 V
Current (I) = 3 A
- Resistance, $R = \text{Voltage/Current}$
 $R = V/I$
 $R = 18/3$
 $R = 6$
Therefore, if a light bulb working on a 18 V battery draws a current of 3 A, the resistance of the light bulb will be 6.

Q:107 The correct answer is **option 4** i.e. **Construction of school buildings**

- **Construction of school buildings** is considered a capital expense.
- A capital expenditure (CapEx) is the money companies use to purchase, upgrade, or extend the life of an asset.
- The types of capital expenditures can include purchases of property, equipment, land, computers, furniture, and software.
- CapEx can be a one-time expenditure (i.e. buying land) or accumulated over time as part of a project (i.e. developing a building on that land).

Q:108 The correct answer is **option 4** i.e. **A only**

- As per the guidelines of the Finance Ministry, income taxpayers will not be eligible to join Atal Pension Yojana (APY) scheme from October 1, 2022.
- APY is a scheme focused on Indian citizens, especially the poor, the under-privileged and the workers in the unorganised sector.
- APY is open to all bank account holders in the age group of 18 to 40 years and the contributions differ, based on pension amount chosen.
- The scheme offers a guaranteed minimum pension of ₹1,000, ₹2,000, ₹3,000, ₹4,000, and ₹5,000 per month at the age of 60 years.
- However, the minimum guaranteed pension depends upon the contributions of the subscribers.

Q:109 The correct answer is **option 4** i.e. **Vitamin K**

- Deficiency of **Vitamin K** causes excessive bleeding from wounds.
- **Vitamin K** is necessary for the synthesis of the proteins that help control bleeding (clotting factors) and thus for the normal clotting of blood.
- It is also needed for healthy bones and other tissues.
- **Vitamin K** deficiency can cause hemorrhagic disease of the newborn, characterized by a tendency to bleed.
- A **vitamin K** injection is usually given to newborns to protect them from this disease.
- In healthy adults, **vitamin K** deficiency is uncommon because many green vegetables contain **vitamin K** and bacteria in the intestine produce **vitamin K**.

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Q:110 The correct answer is **option 1** i.e. **Bihar**

- **Bihar** recorded the lowest literacy rate in the 2011 census.
- As per 2011 census, Kerala has the highest literacy rate in India.
- It is followed by Goa, Tripura, Mizoram, Himachal Pradesh, and Maharashtra, Sikkim.

Q:111 The correct answer is **option 2** i.e. **1 and 3 only**

- Rabi crops are sown in India around mid-November, preferably after the monsoon rains are over, and harvesting begins from April.
- The crops are grown either with rainwater that has percolated into the ground or using irrigation.
- Some examples of rabi crops are barley, mustard, gram, cabbage etc.
- Aus, Aman and boro are three crops of paddy in Assam, West Bengal and Odisha.
- Aman variety of rice is sown between the rainy season and harvested in winter.
- Aus variety is sown in summer along with pre-monsoonal falls and harvested in autumn.
- And Boro variety is sown in winter and harvested in summer, known as spring rice.
- In India, the production percentage of Aus is 43.91%, Aman is 48.79% and Boro is 7-24%.

Q:112 The correct answer is **option 1** i.e. **Switzerland – Denmark – Japan - Niger**

- **Switzerland-Denmark-Japan-Nigeria** correctly represents the countries in decreasing order of HDI, as released in September 2022.
- The Human Development Index (HDI) measures the average achievement of a country in three basic dimensions of human development- a long and healthy life, education and a decent standard of living.
- HDI is calculated using four indicators- life expectancy at birth, mean years of schooling, expected years of schooling, and the Gross National Income (GNI) per capita.

Q:113 The correct answer is **option 4** i.e. **A, B and C**

- As per the President's Emoluments And Pension (Amendment) Act, 2008, all the former President of India will be entitled to a monthly pension of ₹ 2.5 lakh.
- A retired President is entitled to a secretarial staff comprising a private secretary, a personal assistant, an additional private secretary, two peons, and office expenses up to ₹ 1 lakh per annum.
- He is entitled to free highest-class travel anywhere in India, accompanied by one person, by rail, air, or steamer.
- He is also entitled to free medical attendance and treatment.
- A retired President will, for the rest of his or her life will be entitled to use of a furnished residence (including its maintenance) without the payment of rent, two telephones (one for internet and broadband connectivity), a car or allowance to avail a car and one mobile phone with national roaming facility.

Q:114 The correct answer is **option 4** i.e. **The southeast monsoon season**

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

- **The southeast monsoon season** is not a part of the four seasons of India.
- The India Meteorological Department (IMD) designates four official seasons:

1. The cold weather season or winter season- Mid-December through mid-March is considered the Winter Season.
2. The hot weather season or summer season- Mid-March to May is considered the Summer Season. It is characterized mostly by high temperatures and little humidity. Pre-monsoon season is another name for the hot weather season.
3. Southwest monsoon season- The southwest monsoon season has a sudden onset of rain. The initial downpour has the impact of sharply decreasing the temperature.
4. Retreating monsoon season or cool season- Monsoons are known to retreat in October and November, hence called retreating monsoons.

Q:115 The correct answer is **option 3** i.e. **Agonist**

- **Agonist** is a substance that mimics the actions of a neurotransmitter or hormone to produce a response when it binds to a specific receptor in the brain.
- Opioid drugs, for example heroin and methadone, are agonists that produce responses such as 'liking', analgesia and respiratory depression.

Q:116 The correct answer is **option 3** i.e. **Both Statements A and B correct.**

- Sexually transmitted infections (STIs) are infections transmitted from person to person through sexual contact.
- STIs can be caused by bacteria, viruses, or parasites. Examples include gonorrhea, genital herpes, human papillomavirus (HPV), HIV/AIDS, chlamydia, and syphilis.
- Hepatitis A, hepatitis B, and hepatitis C can also be transmitted through sexual contact and pose health risks to people with HIV.

Q:117 The correct answer is **option 1** i.e. **10th**

- India has ranked **10th** in the Asia-Pacific Personalised Health Index released by the Economist Intelligence Unit in January 2021.
- The index measures the readiness of 11 health systems across the region- Australia, China, Japan, India, Indonesia, Malaysia, Singapore, South Korea, Taiwan, Thailand and New Zealand- in adopting personalised healthcare, enabling the right care to be tailored to the right person at the right time.

Q:118 The correct answer is **option 2** i.e. **1924**

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

- In **1924** Albert Einstein predicted a new state of matter, the Bose-Einstein condensate (BEC), based on a quantum formulation by the Indian physicist Satyendra Nath Bose.
- Bose Einstein condensate (BEC), a defined as a state of matter, in which separate subatomic particles or atoms, cooled to approximately absolute zero (0 K, - 459.67°F or - 273.15 °C; K = kelvin), coalesce into an entity of single quantum mechanical. It means one can be defined by a wave function- on a near-macroscopic scale.
- Although it had been predicted for decades, the first atomic BEC was made only in 1995, when Eric Cornell and Carl Wieman of JILA, a research institution jointly operated by the National Institute of Standards and Technology (NIST) and the University of Colorado at Boulder, cooled a gas of rubidium atoms to 1.7×10^{-7} K above absolute zero.
- Along with Wolfgang Ketterle of the Massachusetts Institute of Technology (MIT), who created a BEC with sodium atoms, these researchers received the 2001 Nobel Prize for Physics.
- Research on BECs has expanded the understanding of quantum physics and has led to the discovery of new physical effects.

Q:119 The correct answer is **option 4** i.e. **Thiamine**

- **Thiamine** was the first B vitamin discovered in 1897.
- **Thiamine**, also known as thiamin or vitamin B1, is a vitamin found in food and used as a dietary supplement.
- As a supplement it is used to treat and prevent thiamine deficiency and disorders that result from it, including beriberi, Korsakoff's syndrome, and Korsakoff's psychosis.
- Its other uses include maple syrup urine disease and Leigh's disease.

Q:120 The correct answer is **option 2** i.e. **Indian Councils Act, 1909**

- The Act that is also known as 'Morley-Minto Reforms' is **Indian Councils Act, 1909**.
- **The Indian Councils Act 1909**, was an act of the Parliament of the United Kingdom that brought about a limited increase in the involvement of Indians in the governance of British India.
- It was named after Viceroy Lord Minto and Secretary of State John Morley.
- The act introduced elections to legislative councils and admitted Indians to councils of the Secretary of State for India, the viceroy, and to the executive councils of Bombay and Madras states.
- Muslims were granted separate electorates according to the demands of the Muslim League.

Q:121 The correct answer is **option 4** i.e. **a-ii, b-i, c-iv, d-iii**

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

- The Arjuna Award for Outstanding Performance in Sports and Games was presented to Indian discus thrower **Seema Punia**.
- The Dronacharya Award for outstanding coaches in the Sports and Games Regular category was presented to **Jiwanjot Singh Teja** in Archery.
- India cricket team captain Rohit Sharma's coach **Dinesh Jawahar Lad** also received the Dronacharya Award in the lifetime category.
- Indian Olympian athlete, **Ashwini Akkunji** received the Dhyan Chand Award for Lifetime Achievement in Sports and Games 2022.

Q:122 The correct answer is **option 4** i.e. **Madhya Pradesh**

- Bhimbetka, a noted site of the Palaeolithic period, is located in **Madhya Pradesh**.
- The Bhimbetka rock shelters are an archaeological site that spans the Paleolithic and Mesolithic periods, as well as the historic period.
- It exhibits the earliest traces of human life in India and evidence of the Stone Age starting at the site in Acheulian times.
- It is a UNESCO World Heritage Site that consists of seven hills and over 750 rock shelters distributed over 10 km.

Q:123 The correct answer is **option 4** i.e. **Only statements I and II**

- The Government had constituted the National Investment Fund (NIF) in November, 2005 into which the proceeds from disinvestment of Central Public Sector Enterprises were to be channelized.
- The corpus of NIF was to be of a permanent nature and NIF was to be professionally managed to provide sustainable returns to the Government, without depleting the corpus.
- Selected Public Sector Mutual Funds, namely UTI Asset Management Company Ltd., SBI Funds Management Private Ltd. and LIC Mutual Fund Asset Management Company Ltd. were entrusted with the management of the NIF corpus.
- As per this Scheme, 75% of the annual income of the NIF was to be used for financing selected social sector schemes which promote education, health and employment.
- The residual 25% of the annual income of NIF was to be used to meet the capital investment requirements of profitable and revivable Public Sector Undertakings (PSUs).

Q:124 The correct answer is **option 3** i.e. **Finance Commission**

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

- **Finance Commission** is constituted under Article 280 of the Constitution of India.
- Its core responsibility is to evaluate the state of finances of the Union and State Governments, recommend the sharing of taxes between them, lay down the principles determining the distribution of these taxes among States.
- Its working is characterised by extensive and intensive consultations with all levels of governments, thus strengthening the principle of cooperative federalism.
- Its recommendations are also geared towards improving the quality of public spending and promoting fiscal stability.
- The first Finance Commission was set up in 1951 and there have been fifteen so far.

Q:125 The correct answer is **option 1** i.e. **Directive Principles of State Policy**

- **Part IV** of the Indian Constitution proclaims India to be a welfare state by outlining the **Directive Principles of State Policy**.
- These principles guide the government in formulating policies and laws to establish social, economic, and political justice, and promote the welfare of the people.
- By incorporating these principles, the Constitution reflects India's commitment to building a just and equitable society.

Q:126 The correct answer is **option 1** i.e. **1 and 2 only**

- Hindustan Copper Ltd. (HCL) was incorporated on 9 November 1967 to take over the plants and mines at Khetri, Kolihan in Rajasthan and Rakha Copper Project in Jharkhand from National Mineral Development Corporation.
- Khetri Copper Complex (KCC) which hosts copper mineralization is situated at Khetrinagar in Rajasthan.
- The headquarters of Mineral Exploration Consultancy Ltd. is located at Nagpur in Maharashtra.

Q:127 The correct answer is **option 2** i.e. **1950**

- The Estimates Committee constituted for the first time in India in **1950** on the recommendations of Finance Minister John Mathai.
- It is a parliamentary committee of Lok Sabha members for the purpose of scrutinising the functioning of government ministries and departments in terms of expenditure and utilisation of funds.
- It also suggests alternative policies in order to bring about efficiency and economy in administration.
- It also examines whether the finances are laid out within the limits of the policy implied in the estimates and also to suggest the form in which the estimates shall be presented to the Parliament.

Q:128 The correct answer is **option 2** i.e. **Andre Marie Ampere**

**SSC CGL Previous Year Paper 2022 Solutions - Download PDF**

- **Andre Marie Ampere** suggested that the magnet must also exert an equal and opposite force on the current-carrying conductor.
- He was a French physicist and mathematician who was one of the founders of the science of classical electromagnetism, which he referred to as 'electrodynamics'.
- He is also the inventor of numerous applications, such as the solenoid (a term coined by him) and the electrical telegraph.
- The SI unit of measurement of electric current, the ampere, is named after him.

Q:129 The correct answer is **option 3** i.e. **Resistance of a wire depends on the length and cross-section of the wire.**

- Resistance of a wire depends on the following factors-

1. The length of the wire, resistance is directly proportional to the length of the wire.
2. The cross-section of the wire, resistance is inversely proportional to the cross-section of the wire.
3. The temperature of the wire, the resistance of wire is directly proportional to the temperature of the wire.
4. The material of the wire (good conductors possess less resistance).

Q:130 The correct answer is **option 3** i.e. **Minhaj-us-Siraj**

- **Minhaj-us-Siraj** composed Tabaqat-i-Nasiri in the Delhi Sultanate period for Sultan Nasiruddin Mahmud Shah.
- He was a 13th-century Persian historian.
- In 1227, he immigrated to Uch and, thereafter, to Delhi.
- The principal historian of the Mamluk Sultanate of Delhi in northern India, he wrote of the Ghurid dynasty as well.

Q:131 The correct answer is **option 2** i.e. **Third-party.**

- Third-party cookies are the ones that track your online activity across websites, often without your consent.
- These cookies can raise privacy concerns because they enable advertisers and data collectors to build detailed profiles of your browsing habits, potentially leading to targeted ads and data misuse.
- However, many web browsers and privacy regulations have taken steps to limit the impact of third-party cookies on user privacy. Users can often disable or block these cookies to enhance their online privacy and security.

Q:132 The correct answer is **option 3** i.e. **Gateway**

- A gateway is a passage that connects two networks that may work on different networking models.
- Gateways serve as intermediaries, translating data and protocols between networks with distinct architectures to facilitate communication and data exchange.
- They are crucial for enabling connectivity between networks that use different technologies or standards, ensuring seamless data transmission across diverse network environments.

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Q:133 The correct answer is **option 1** i.e. **Ctrl + K**

- The keyboard shortcut used to insert a hyperlink for selected text in Microsoft Word is 'Ctrl + K.'

Q:134 The correct answer is **option 2** i.e. **F5**

- The keyboard shortcut to reload the current page in Google search engine is 'F5.'
- In Google search engine, the keyboard shortcut to reload the current page is 'Ctrl + R' on Windows/Linux or 'Command + R' on macOS.

Q:135 The correct answer is **option 4** i.e. **15**

- Video Graphics Array (VGA) connectors, which connect the monitor to a computer's video card, typically have 15 holes or pins.
- These connectors are common for analog video transmission and have been widely used in the past, although they are becoming less common with the prevalence of digital video interfaces like HDMI and DisplayPort.

Q:136 The correct answer is **option 4** i.e. **Instruction Buffer Register (IBR)**

- The instruction that is not to be executed immediately is typically placed in the 'Instruction Buffer Register (IBR).'
- The Instruction Buffer Register is a part of a computer's architecture where instructions are temporarily stored, often before they are executed.
- It plays a role in the instruction fetching and execution process, helping to manage the flow of instructions through the processor.

Q:137 The correct answer is **option 3** i.e. **main**

- The memory unit that communicates directly with the CPU is called 'Primary Memory' or 'Main Memory.'
- This memory is responsible for holding data and instructions that the CPU needs for processing in real-time.
- RAM (Random Access Memory) is a common type of primary memory used in computers for this purpose.
- It provides fast and direct access to data, allowing the CPU to read and write information quickly during program execution.

Q:138 The correct answer is **option 3** i.e. **Trojan self-replicate and infects other files.**

- Trojans are typically not designed to self-replicate and infect other files like viruses or worms.
- Instead, they disguise themselves as legitimate software or hide within seemingly harmless files to deceive users into executing them.
- Once activated, they may perform various malicious actions, such as creating backdoors or stealing data, but they do not have self-replicating capabilities.

Q:139 The correct answer is **option 3** i.e. **All are e-mail service providers.**

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

- Yandex is not an email service provider.
- It is a Russian multinational IT company known for its search engine, internet-related products, and services, but it does not offer an email service like Outlook and Gmail.

Q:140 The correct answer is **option 2** i.e. **changing the color behind the selected text**

- The 'Shading' option in MS Word 365 is used for adding background color or shading to selected text, paragraphs, or table cells.
- It allows you to highlight or emphasize specific content by applying a background color of your choice, which can help improve the visual appeal and readability of your document.

Q:141 The correct answer is **option 2** i.e. **Can print multiple copies at a time.**

- Laser printers can indeed print multiple copies of a document, so this statement is correct.
- Laser printers are known for their ability to produce high-quality and high-speed prints, making them suitable for various printing needs, including printing multiple copies of a document efficiently

Q:142 The correct answer is **option 2** i.e. **uploading**

- While 'uploading' data transfers from the customers' machine to the server.
- Uploading is the process of sending data, such as files or information, from a local device (typically the customer's computer or device) to a remote server or a central location on the internet.
- This can include actions like attaching a file to an email, sending images to a cloud storage service, or posting content to a website.
- Uploading is essential for sharing, storing, and backing up data online, allowing users to access their files and information from various devices and locations.

Q:143 The correct answer is **option 4** i.e. **A:10.**

- To refer to a value in a cell in MS Excel 365, if you want to reference a value in a cell located in column A and row 10, you should use the following format in a function or formula: =A10
- This notation specifies that you are referencing the value in cell A10, where 'A' represents the column and '10' represents the row.
- You can replace 'A' and '10' with the appropriate column and row identifiers for the cell you want to refer to in your formula.

Q:144 The correct answer is **option 1** i.e. **Control Panel**

- A 'Control Panel' displays a list of utilities to configure the computer system and install software and hardware.
- In Microsoft Windows and other operating systems, the Control Panel provides access to various settings and options for managing the computer's configuration, including settings for devices, network connections, security, and more.
- Users can use the Control Panel to customize their computer's behavior and functionality.

SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Q:145 The correct answer is **option 4** i.e. **Custom Print**

- The option in MS Word 365 to choose only specific pages for printing is 'Custom print.'
- This allows you to specify particular pages or page ranges within the document that you want to print, providing more control over the printing process than simply printing all pages or the current page.

Q:146 The correct answer is **option 2** i.e. **Cache memory stores data in permanent use.**

- Cache memory does not store data in permanent use.
- It is a volatile type of memory, meaning that the data stored in cache is temporary and can be overwritten or cleared.
- Cache memory is designed to hold frequently used data and instructions to speed up the CPU's access to them, but it does not retain data when the computer is turned off or restarted.

Q:147 The correct answer is **option 4** i.e. **Registers**

- 'Registers' is the high-speed device used in the CPU that is utilized to store data temporarily during processing.
- Registers are small, fast storage locations within the CPU that hold data that the CPU is actively working with.
- They play a critical role in executing instructions and performing calculations efficiently.

Q:148 The correct answer is **option 3** i.e. **Solid-State Drive**

- An 'SSD' (Solid State Drive) is also known as an electronic disk.
- SSDs are storage devices that use NAND-based flash memory to store data electronically.
- They have become popular for their speed, reliability, and durability, making them a popular choice for replacing traditional mechanical hard drives in computers and other devices.

Q:149 The correct answer is **option 4** i.e. **Ribbon**

- In MS-Excel 365, the component that appears across the top of the screen and below the title bar, containing all the commands, formulas, and features needed to create data-intensive spreadsheets, is called the 'Ribbon.'
- The Ribbon is a graphical interface that organizes Excel's functions into tabs and groups, making it easier for users to access various tools and features while working with spreadsheets.

Q:150 The correct answer is **option 1** i.e. **Trojan**

- A 'Trojan' is a type of malware that is often disguised as legitimate software.
- Trojans are named after the ancient Greek story of the Trojan Horse, where soldiers hid inside a wooden horse to infiltrate a city.
- Similarly, Trojan malware appears harmless or useful but contains malicious code or actions that can harm a computer or steal data once executed by the user.
- This deceptive nature is a hallmark of Trojan attacks.



SSC CGL Previous Year Paper 2022 Solutions - Download PDF

Consequently, you have the entire array of solutions for the SSC CGL Tier II Previous Year Paper 2022 at your disposal. Maintain your committed practice regimen as you prepare for the upcoming SSC CGL Tier II examination.

SSC CGL Tier II Preparation Tips

To ace the SSC CGL Tier II exam, follow these effective preparation tips:

- 1. Understand the Revised Pattern:** Familiarize yourself with the new three-paper format, marking scheme, and duration for each paper.
- 2. Tailor Your Preparation:** Focus on the specific papers relevant to your desired post. For JSO, prioritize Statistics, while for Assistant Audit Officer/Assistant Accounts Officer, focus on General Studies (Finance and Economics).
- 3. Strengthen Conceptual Understanding:** For Quantitative Aptitude, focus on building a strong foundation in concepts rather than just memorizing formulas.
- 4. Practice Regularly:** Solve previous year question papers, mock tests, and practice sets to improve speed, accuracy, and time management.
- 5. Time Management:** Allocate time effectively during the exam, prioritizing high-scoring questions first.
- 6. Avoid Negative Marking:** Avoid guessing if unsure of the answer, as negative marking can impact your overall score.
- 7. Revision and Review:** Regularly revise and review concepts, formulas, and practice questions to retain knowledge.
- 8. Maintain a Healthy Lifestyle:** Prioritize a balanced diet, regular exercise, and adequate sleep to enhance focus and mental clarity.
- 9. Stay Positive and Motivated:** Believe in your abilities, stay motivated, and maintain a positive attitude throughout your preparation.

Remember, consistent effort and smart preparation strategies are key to achieving success in the SSC CGL Tier II exam. Good luck with your preparation!