









Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2020-03-06 in the Morning exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

Ssc Cgl Tier I Previous Year Question Paper: Questions and Solutions

Question 1:

A shopkeeper marks the price of an article in such a way that after allowing a discount of 22%, he gets a gain of 11%. If the marked price is Rs.888, then the cost price of the article is:

Difficulty : Moderate Average Time : 48 Seconds

Options:

1. Rs.624

2. Rs.782

3. Rs.550

4. Rs.895

Solution:

The correct answer is option 1 i.e Rs.624

Explanation:

Marked price = 888

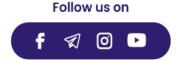
Discount = 22%

Selling price = $888 \times 78/100 = 692.64$

Gain = 11% so Selling price = 111% of cost price

692.64 = 111% of cost price

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Cost price = $692.64 \times 100/111 = Rs.624$

Question 2:

If 3a = 27b = 81c and abc = 144, then the value of 12(1/a + 1/2b + 1/5c) is:

Difficulty : Moderate Average Time : 43 Seconds

Options:

- 1. 18/120
- 2. 18/10
- 3. 33/10
- 4. 17/120

Solution:

The correct answer is option 3 i.e 33/10

Explanation:

$$3^a = 27^b = 81^c$$

$$3^{a} = 3^{3b} = 3^{4c}$$

$$a = 3b = 4c$$

$$abc = 144$$

$$4c \times 4c/3 \times c = 144$$

$$c^3 = 27$$

$$c = 3$$

$$12(1/a + 1/2b + 1/5c)$$

$$12(1/4c + 1/(8c/3) + 1/5c)$$

$$= 12(33/40c)$$

$$= 12 \times 33/(40 \times 3)) = 33/10$$

Question 3:

If a + b + c = 9 and ab + bc + ca = -22, then the value of a3 + b3 + c3 - 3abc is:

Difficulty : Moderate Average Time : 52 Seconds

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Options:

- 1. 783
- 2. 1323
- 3. 1571
- 4. 487

Solution:

The correct answer is option 2 i.e 1323

Explanation:

$$a + b + c = 9$$

$$ab + bc + ca = -22$$

We need to find the value of $a^3 + b^3 + c^3$ - 3abc

We know,

$$a^3 + b^3 + c^3$$
 - 3abc = $(a + b + c)(a^2 + b^2 + c^2$ - ab - bc - ca)

Now we need to find the value of $a^2 + b^2 + c^2$

We also know,

$$(a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca)$$

Putting the value of a + b + c = 9 and ab + bc + ca = -22

$$(9)^2 = a^2 + b^2 + c^2 + 2(-22)$$

$$81 = a^2 + b^2 + c^2 - 44$$

$$a^2 + b^2 + c^2 = 81 + 44$$

$$a^2 + b^2 + c^2 = 125$$

Now.

Substituting value in the formula for a³ + b³ + c³- 3abc

$$a^3 + b^3 + c^3 - 3abc = (a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca)$$

$$a^3 + b^3 + c^3 - 3abc = (a + b + c) (a^2 + b^2 + c^2 - (ab + bc + ca))$$

$$a^3 + b^3 + c^3 - 3abc = (9)(125 + 22)$$

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$$a^3 + b^3 + c^3 - 3abc = (9)(147)$$

$$a^3 + b^3 + c^3 - 3abc = 1323$$

Question 4:

In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow. Year Rice Wheat Sugarcane Barley Maize 2015 415 2500 1000 975 490 2016 520 4218 1120 825 520 2017 585 3482 1250 700 610 2018 625 4500 1325 625 725 2019 600 3300 1450 775 840 The percentage growth of maize in the year 2019 over the year 2015 is: (correct to two decimal places)

Difficulty : Moderate Average Time : 132 Seconds

Options:

1. 65.12%

2. 71.43%

3. 77.77%

4. 60.28%

Solution:

The correct answer is option 2 i.e 71.43%

Explanation:

Production of maize in the year 2019 = 840

Production of maize in the year 2015 = 490

The percentage growth of maize in the year 2019 over the year 2015 = (840 -

490/(490) × 100 = (350)/(490) × 100

= 71.43%

Question 5:

If the area of an equilateral triangle is 363 cm2, then the perimeter of the triangle is :

Difficulty: Moderate Average Time: 43 Seconds

Options:

1. 363 cm

2. 36 cm

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183 cm

4. 12 cm

Solution:

The correct answer is option 2 i.e 36 cm

Area of an equilateral trangle = 363 cm²

$$(3 a^2)/4 = 363 \text{ cm}^2$$

a = 12 cm

Perimeter of the triangle = $3 \times a = 3 \times 12 = 36$ cm

Question 6:

Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Difficulty: Moderate

Average Time: 46 Seconds

Options:

1. 11:121

2. 13:169

3. 17:289

4. 15:250

Solution:

The correct answer is option 4 i.e 15:250

Explanation:

$$(11)^2 = 121$$

$$(13)^2 = 169$$

$$(17)^2 = 289$$

$$(15)^2 = 225$$

Question 7:

In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow. Year Rice Wheat Sugarcane Barley Maize 2015 415 2500 1000 975 490 2016 520 4218 1120

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825 520 2017 585 3482 1250 700 610 2018 625 4500 1325 625 725 2019 600 3300 1450 775 840 The average production of wheat (in tonnes) in the period given in the table is:

Difficulty : Moderate Average Time : 45 Seconds

Options:

- 1. 3600
- 2. 3482
- 3. 3300
- 4, 4218

Solution:

The correct answer is option 1 i.e 3600

Explanation:

Total production of wheat(in tonnes) = 2500 + 4218 + 3482 + 4500 + 3300 = 18000

Average = sum of all terms/number of terms

Average production of wheat(in tonnes) = 18000/5 = 3600

Question 8:

If (2 SinA + CosecA) = 22, 00 A 900 then the value of 2(Sin4 A + Cos4 A) is:

Difficulty: Moderate Average Time: 40 Seconds

Options:

- 1. 2
- 2. 1
- 3. 4
- 4. 0

Solution:

The correct answer is option 2 i.e 1

Explanation:

(2 SinA + CosecA) = 22

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To find the value A, we satisfy the above equation so put the value of $A = 45^{\circ}$

$$(2 \sin 45^{\circ} + \csc 45^{\circ}) = 22$$

$$(2 \times 1/2 + 2) = 22$$

$$2(\sin^4 A + \cos^4 A)$$

$$= 2(\sin^4 45^\circ + \cos 45^\circ)$$

$$= 2((1/2)^4 + (1/2)^4)$$

$$= 2(1/4 + 1/4) = 2(1/2) = 1$$

Question 9:

A circular disc of area 0.64 m2 rolls down a length of 1.408 km. The number of revolutions it makes is: (Taken = 22/7).

Average Time: 56 Seconds

Difficulty: Moderate

Options :

1. 280

2. 360

3. 140

4. 180

Solution:

The correct answer is option 1 i.e 280

Explanation:

Area =
$$r^2$$

$$r^2 = 0.64 \text{ m}^2$$

r = 0.8 m

Circumference of disc = $2 \text{ r} = 2 \times (22/7) \times 0.8 = 5.02$

Length = 1.408 km = 1408 m

The number of revolutions = 1408/5.02 = 280

Question 10:

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If x CosA - y SinA = 1 and x SinA + y CosA = 4, then the value of 17x2 + 17y2 is :

Difficulty: Moderate Average Time: 45 Seconds

Options:

- 1. 0
- 2. 7
- 3. 49
- 4. 289

Solution:

The correct answer is option 4 i.e 289

Explanation:

Take the square of both sides,

$$(x CosA - y SinA)^2 = 1$$

$$(x \cos A)^2 - 2xy \sin A \cos A + (y \sin A)^2 = 1 -----(1)$$

$$(\hat{a}\mu(a+b)^2 = a^2 + b^2 + 2ab)$$

$$x SinA + y CosA = 4$$

Take the square of both sides,

$$(x SinA + y CosA)^2 = 16$$

$$(x SinA)^2 + 2xy SinA CosA + (y CosA)^2 = 16 -----(2)$$

Addition of eq(1) and eq(2),

$$(x \cos A)^2 + (x \sin A)^2 + (y \sin A)^2 + (y \cos A)^2 = 17$$

$$x^2 + y^2 = 17$$

$$17x^2 + 17y^2 = 17 \times 17$$

$$17x^2 + 17y^2 = 289$$

Question 11:

Select the ANTONYM of the given word. PERSIST

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Difficulty: Moderate

Average Time: 72 Seconds

Options:

- 1. Remain
- 2. Continue
- 3. Insist
- 4. Cease

Solution:

The correct answer is option 4 i.e. Cease.

Let's have a look at the meaning of the given options:-

- 1. Cease- to stop or end.
- 2. **Persist** to continue doing something even though other people say that you are wrong or that you cannot do it.
- 3. Remain- to stay or continue in the same place or condition.
- 4. Continue- to keep happening or existing without stopping.
- 5. Insist- to say strongly that you must have or do something, or that somebody else must do something.

As the chosen option expresses the opposite meaning of the given word it will be correct.

Question 12:

Select the correct indirect form of the given sentence. "What a rare flower!" she said.

Difficulty: Moderate Average Time: 65 Seconds

Options:

- 1. She asked if it was a rare flower.
- 2. She exclaimed that it was a very rare flower.
- 3. She exclaimed what a rare flower it is.
- 4. She told that what a rare flower it was.

Solution:

The correct answer is option 2 i.e. She exclaimed that it was a very rare flower.

- As the reported speech is in "Exclamatory sentence" we need to make changes according to this.
- There will be a change in the reporting verb and it will be changed into "Exclaimed".
- "That" will be used at the place of the "Inverted comma".

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The tense of the reported verb will be changed into "Simple Past Tense".

- "It + was/were + noun phrase" will be the correct use of the structure here.
- The reported speech will be kept in an assertive structure "Subject + verb + object".

As all the rules are followed by the chosen option it will be correct.

Question 13:

Select the word which means the same as the group of words given. Having two opposing feelings at the same time

Difficulty : Moderate Average Time : 81 Seconds

Options:

- 1. Contemporary
- 2. Coinciding
- 3. Ambivalent
- 4. Equivalent

Solution:

The correct answer is option 3 i.e. Ambivalent.

Let's have a look at the meaning of the given options:-

- 1. Ambivalent- having or showing a mixture of feelings or opinions about something or somebody.
- 2. **Contemporary** belonging to the same time as somebody/something else.
- 3. Coinciding- (used about events) to happen at the same time as something else.
- 4. **Equivalent** equal in value, amount, meaning, importance, etc.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Question 14:

Select the correct passive form of the given sentence. The farmer is ploughing the fields.

Difficulty: Moderate Average Time: 60 Seconds

Options:

- 1. The fields are being ploughed by the farmer.
- 2. The fields are ploughed by the farmer.
- 3. The fields were ploughed by the farmer.
- 4. The fields have been ploughed by the farmer.

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Solution:

The correct answer is option 1 i.e. The fields are being ploughed by the farmer.

Active voice - Subject + is/am/are + v4 + object + other words.

Passive voice- Object + is/am/are + being + v3 + by + subject + other words.

As the chosen option follows this structure it will be the correct answer.

Question 15:

In the sentence identify the segment which contains the grammatical error. Those who are late they will not be allowed inside the classroom.

Difficulty : Moderate Average Time : 55 Seconds

Options:

- 1. be allowed
- 2. they will not
- 3. inside the classroom
- 4. Those who are late

Solution:

The correct answer is option 2 i.e. they will not.

- 1. The error lies in **option 2** because of the wrong use of "**Pronoun**".
- 2. We need to remove "They" for making the statement grammatically correct.

Grammatical concept:-

- We don't use pronoun twice for a verb in the same sentence.
- In the given statement "Those" is the subject for the verb "Will" hence, "They" is superfluous here.
- The chosen option contains the ERROR hence, it will be the correct choice.

Correct Sentence:-

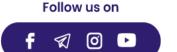
Those who are late will not be allowed inside the classroom.

Question 16:

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'. We came back because we had ran out of money.

Difficulty: Moderate Average Time: 77 Seconds

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Options:

- 1. we had run
- 2. we have ran
- 3. we run
- 4. No improvement

Solution:

The correct answer is option 1 i.e. we had run.

- There are two actions in the given statement the "First action" is running out and the "Second action" is to come back.
- For maintaining sequence of time, we need to use "Past Perfect Tense" for the first action and "Simple Past Tense" for the second action.
- The chosen option follows the given rule hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

We came back because we had run out of money.

Question 17:

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement. When it started raining, I ran to the nearer house for shelter.

Difficulty: Moderate Average Time: 69 Seconds

Options:

- 1. the nearest house
- 2. a near house
- 3. the near house
- 4. No improvement

Solution:

The correct answer is option 1 i.e. the nearest house.

- "The + superlative degree" is the correct grammatical structure.
- The chosen option follows the given rule hence, it will **IMPROVE** the statement correctly.

Correct Sentence:-

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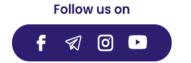




When it started raining, I ran to the nearest house for shelter.

Comprehension: In the following passage some words have been deleted. Fill in the bl the most appropriate option for each blank. Atlas was made to hold the Hercules (1) to hold it for Atlas while the latter went look returned, he saw Hercules (3) hard to hold the sky. T sweat and groan. Now Atlas did not want to (5) a job Question 18: Select the most appropriate option to fill in blank number (1).	he sky upon his shoulders as a punishment. Once, king (2) golden apples. When Atlas The weight of the sky (4) Hercules
Difficulty : Moderate	Average Time : 73 Seconds
Options: 1. afforded 2. ordered 3. offered 4. extended	
Solution: The correct answer is option 3 i.e. offered.	
Let's have a look at the meaning of the given options:-	
 offered- to make something available or to provide the opportuge. afforded- to have enough money or time to be able to do some of authority to tell somebody to do a certain to make something longer or larger (in space or time). 	ething. do something or to say that something must happen.
"Offered" which means "to make something available" fits in the co	ontext appropriately.
Hence, the chosen option will be correct.	
Comprehension: In the following passage some words have been deleted. Fill in the bl the most appropriate option for each blank. Atlas was made to hold the Hercules (1) to hold it for Atlas while the latter went look returned, he saw Hercules (3) hard to hold the sky. T sweat and groan. Now Atlas did not want to (5) a job	he sky upon his shoulders as a punishment. Once, king (2) golden apples. When Atlas The weight of the sky (4) Hercules

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Question 19:

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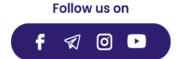






Select the most appropriate option to fill in blank number (2).	
Difficulty : Moderate	Average Time: 89 Seconds
Options:	
1. on	
2. for	
3. after	
4. at	
Solution :	
The correct answer is option 2 i.e. for .	
 "Looking for" which means "the act of searching visually 	" fits in the context appropriately.
Hence, the chosen option will be correct.	
In the following passage some words have been deleted. Fill in the the most appropriate option for each blank. Atlas was made to hold Hercules (1) to hold it for Atlas while the latter went I returned, he saw Hercules (3) hard to hold the sky sweat and groan. Now Atlas did not want to (5) a j Question 20: Select the most appropriate option to fill in blank number (3).	d the sky upon his shoulders as a punishment. Once, ooking (2) golden apples. When Atlas v. The weight of the sky (4) Hercules
Difficulty : Moderate	Average Time: 63 Seconds
Options: 1. coping	
2. seeking	
3. struggling	
4. tackling	
Solution:	
The correct answer is option 3 i.e. struggling.	
Let's have a look at the meaning of the given options:-	

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struggling- to try very hard to do something, especially when it is difficult.

- 2. **coping** to face and deal with responsibilities, problems, or difficulties.
- 3. **seeking** to try to find or get something.
- 4. tackling- to make an effort to deal with a difficult situation or problem.

"Struggling" which means "to try very hard to do something" fits in the context appropriately.

Hence, the chosen option will be correct.

Comprehension :		
In the following passage some words have been	n deleted. Fill in the blanks with the help of the alte	ernatives given. Select
the most appropriate option for each blank. Atlas	s was made to hold the sky upon his shoulders as	a punishment. Once,
Hercules (1) to hold it for Atlas whi	nile the latter went looking (2) golden	apples. When Atlas
returned, he saw Hercules (3) ha	nard to hold the sky. The weight of the sky (4)	Hercules
sweat and groan. Now Atlas did not want to (5)_	a job as arduous as that!	
Question 21 :		
Select the most appropriate option to fill in blank	k number (4).	
Difficulty : Moderate	Average Time: 86 Seconds	
Options :		
4		

- 1. make
- 2. was making
- 3. has made
- 4. were making

Solution:

The correct answer is option 2 i.e. was making.

- Subjects and verbs must AGREE with one another in number (<u>singular or plural</u>). Thus, if a <u>subject</u> is singular, its <u>verb</u> must also be singular; if a <u>subject</u> is plural, its <u>verb</u> must also be plural.
- The subject of the given statement is singular hence, "Singular verb" will be the correct choice.
- "Past tense" will be used in the given statement.

Hence, the chosen option will be correct.

Comprehension:

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returned, he saw Hercules (3) hard to hold the sky sweat and groan. Now Atlas did not want to (5) a j		S
Question 22:		
Select the most appropriate option to fill in blank number (5).		
Difficulty : Moderate	Average Time: 85 Seconds	
Options:		
1. take back		
2. take away		
3. take in		
4. take out		
Solution :		
The correct answer is option 1 i.e. take back.		
 "Take back" which means "to make a retraction of" fits in t 	the context appropriately.	
Hence, the chosen option will be correct.		
Question 23: Given below are four jumbled sentences. Select the option that give covered with snow. B. Napoleon had to cross the Alps in winter. Context for him. D. So, someone told Napoleon that the task was imposed.	. Napoleon replied that the word 'impossible' did n	
Difficulty : Moderate	Average Time: 52 Seconds	
Options:		

1. ADI

1. ADBC

2. BADC

3. BDCA

4. DBCA

Solution:

The correct answer is option 2 i.e. BADC.

• Statement B is independent and defines the theme of the paragraph "Napoleon" hence, it will be the opening statement.

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Statement A talks about the state of the mountain Alps in the winter hence, it will come after B.

- The task was difficult because the mountain was covered with "Snow" hence, D will come after A.
- Finally, C will come at the end of the statement.
- Now we have the final arrangement i.e. BADC.

The chosen option is the same as the final arrangement hence, it will be correct.

Some common rules that help while solving the Para Jumbles:-

- Read the paragraph carefully and try to comprehend the paragraph's idea or theme and eliminate the irrelevant options.
- 2. Try to identify the opening (Independent statement) and closing statement (Concluding statement).
- 3. Try to **identify** the **mandatory pairs**. Two sentences can be connected through various connectors.
- 4. If a statement starts with **Pronoun**, find **the noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

Question 24:

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

Difficulty: Moderate	Average Time: 100 Seconds

Options:

- 1. Fleet
- 2. Colony
- 3. Swarm
- 4. Squad

Solution:

The correct answer is **option 1 i.e. Fleet**.

Let's have a look at the meaning of the given options:-

- 1. Fleet- a group of ships or boats that sail together.
- 2. **Colony-** a country or area that is ruled by another, more powerful country.
- 3. Swarm- a large group of insects, especially bees, moving around together.
- 4. Squad- a group of people who work as a team.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Question 25:

Select the most appropriate option to fill in the blank. She _____ how the magician had performed the rope trick.

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Difficulty: Moderate

Average Time: 61 Seconds

Options:

- 1. suspected
- 2. bewildered
- 3. wondered
- 4. puzzled

Solution:

The correct answer is **option 3 i.e. wondered**.

Let's have a look at the meaning of the given options:-

- 1. wondered- to want to know something; to ask yourself questions about something.
- 2. **suspected** to believe that something may happen or be true, especially something bad.
- 3. bewildered- confused and uncertain.
- 4. puzzled- not able to understand or explain something.

"Wondered" which means "to want to know something" fits in the context appropriately.

Correct Sentence:-

She wondered how the magician had performed the rope trick.

Question 26:

Select the ANTONYM of the given word. GLEE

Difficulty: Moderate Average Time: 64 Seconds

Options:

- 1. Fun
- 2. Bliss
- 3. Joy
- 4. Woe

Solution:

The correct answer is option 4 i.e. Woe.

Let's have a look at the meaning of the given options:-

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Woe- the problems that somebody has.

- 2. **Glee-** a feeling of happiness, usually because something good has happened to you or something bad has happened to somebody else.
- 3. Fun- pleasure and enjoyment; an activity or a person that gives you pleasure and enjoyment.
- 4. Bliss- perfect happiness.
- 5. Joy- a feeling of great happiness.

As the chosen option expresses the opposite meaning of the given word it will be correct.

Question 27:

Select the most appropriate meaning of the given idiom. By and by

Difficulty : Moderate Average Time : 61 Seconds

Options:

- 1. On the whole
- 2. By any means
- 3. Suddenly
- 4. Gradually

Solution:

The correct answer is option 4 i.e. Gradually.

The meaning of the given idiom is:-

By and by- before long; eventually.

As the meaning of the given idiom is the same as the chosen option it will be correct.

Question 28:

Select the INCORRECTLY spelt word.

Difficulty : Moderate Average Time : 41 Seconds

Options:

- 1. Acquaintence
- 2. Abandon
- 3. Alliance
- 4. Acquisition

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Solution:

The correct answer is **option 1 i.e. Acquaintence**.

Let's have a look at the meaning of the given options:-

- 1. Acquaintance- a person that you know but who is not a close friend.
- 2. Abandon- to leave somebody/something that you are responsible for, usually permanently.
- 3. Alliance- an agreement between groups, countries, etc. to work together and support each other.
- 4. **Acquisition** the act of obtaining or buying something.

As the chosen option is incorrectly spelt it will be the correct answer.

Question 29:

Select the most appropriate option to fill in the blank. The roof of the old building _____ during the storm.

Difficulty: Moderate Average Time: 60 Seconds

Options:

- 1. collapsed
- 2. destroyed
- 3. demolished
- 4. scratched

Solution:

The correct answer is option 1 i.e. collapsed.

Let's have a look at the meaning of the given options:-

- 1. **collapsed** to fall down or break into pieces suddenly.
- 2. destroyed- to damage something so badly that it can no longer be used or no longer exists.
- 3. **demolished** to destroy something, for example, a building.
- 4. scratched- to rub your skin with your nails, especially because it is irritating you (itching).

"Collapsed" which means "to fall down" fits in the context appropriately.

Correct Sentence:-

The roof of the old building collapsed during the storm.

Question 30:

Select the most appropriate meaning of the given idiom. Chicken-hearted

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Difficulty: Moderate

Average Time: 67 Seconds

Options:

- 1. Generous
- 2. Selfish
- 3. Miserly
- 4. Cowardly

Solution:

The correct answer is **option 4 i.e. Cowardly**.

The meaning of the given idiom is:-

Chicken-hearted- easily frightened; cowardly.

As the meaning of the given idiom is the same as the chosen option it will be correct.

Question 31:

Select the SYNONYM of the given word. PREFERRED

Difficulty: Moderate Average Time: 40 Seconds

Options:

- 1. Feared
- 2. Adored
- 3. Compared
- 4. Favoured

Solution:

The correct answer is option 4 i.e. Favoured.

Let's have a look at the meaning of the given options:-

- 1. Favoured- to support somebody/something; to prefer.
- Preferred- (not used in the continuous tenses) to choose something rather than something else; to like something better.
- 3. **Feared** to be afraid of somebody/something or of doing something.
- 4. **Adored** to love and admire somebody/something very much.
- 5. **Compared** to consider people or things in order to see how similar or how different they are.

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As the chosen option expresses the best meaning of the given word it will be correct.

Question 32:

In the sentence identify the segment which contains the grammatical error. Everyone except she have travelled by air.

Difficulty: Moderate Average Time: 66 Seconds

Options:

- 1. Everyone except
- 2. she have
- 3. travelled
- 4. by air

Solution:

The correct answer is option 2 i.e. she have.

- The error lies in option 2 because of the wrong use of "Subject-Verb agreement".
- 2. We need to replace "have" with "has" for making the statement grammatically correct.

Grammatical concept:-

- Subjects and verbs must AGREE with one another in number (singular or plural). Thus, if a subject is singular, its verb must also be singular; if a subject is plural, its verb must also be plural.
- "She" is considered to be the singular pronoun hence, we need to use a singular verb here.
- The chosen option contains the ERROR hence, it will be the correct choice.

Correct Sentence:-

Everyone except she has travelled by air.

Question 33:

Select the INCORRECTLY spelt word.

Difficulty: Moderate Average Time: 80 Seconds

Options:

- 1. Grief
- 2. Sieze
- 3. Piece

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Fierce

Solution:

The correct answer is option 2 i.e. Sieze.

Let's have a look at the meaning of the given options:-

- 1. Size- how big or small something is.
- 2. Grief- great sadness (especially because of the death of somebody you love).
- 3. **Piece** a portion of an object or of material, produced by cutting, tearing, or breaking the whole.
- 4. **Fierce** angry, aggressive and frightening.

As the chosen option is incorrectly spelt it will be the correct answer.

Question 34:

Given below are four jumbled sentences. Select the option that gives their correct order. A. Much of this war had taken place along the Western Front. B. Both sides had dug in deep and each lost many men over little ground. C. This front was a line of trenches across which the two sides faced each other. D. Andre Maginot had fought a war with the French against the Germans.

Difficulty: Moderate Average Time: 72 Seconds

Options:

- 1. DACB
- 2. DBCA
- 3. ACDB
- 4. BCDA

Solution:

The correct answer is **option 1 i.e. DACB**.

- Statement D is independent and defines the theme of the paragraph "A war" hence, it will be the opening statement.
- Statement A gives the information about "War" hence, it will come after D.
- Only the chosen option stats with "DA" hence, it will be our correct choice.
- Now we have the final arrangement i.e. DACB.

The chosen option is the same as the final arrangement hence, it will be correct.

Some common rules that help while solving the Para Jumbles:-

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Read the paragraph carefully and try to comprehend the paragraph's idea or theme and eliminate the irrelevant options.

- 2. Try to identify the opening (Independent statement) and closing statement (Concluding statement).
- 3. Try to identify the mandatory pairs. Two sentences can be connected through various connectors.
- 4. If a statement starts with **Pronoun**, find **the noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

Question 35:

Select the SYNONYM of the given word. OVATION

Difficulty: Moderate Average Time: 91 Seconds

Options:

- 1. Applause
- 2. Censure
- 3. Creation
- 4. Preparation

Solution:

The correct answer is option 1 i.e. Applause.

Let's have a look at the meaning of the given options:-

- Applause- the noise made by a group of people hitting their hands together (clapping) to show their approval and enjoyment.
- 2. **Ovation-** an enthusiastic public reception of a person, marked especially by loud and prolonged applause.
- 3. Censure- to tell somebody, in a strong and formal way, that he/she has done something wrong.
- 4. Creation- the act of causing something new to happen or exist.
- 5. Preparation- getting somebody/something ready.

As the chosen option expresses the best meaning of the given word it will be correct.

Question 36:

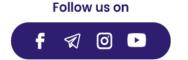
Study the given pattern carefully and select the number that can replace the question mark (?) in it 15 3 24 21 6 30 49 5 ?

Difficulty: Moderate Average Time: 68 Seconds

Options:

1. 92

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98

3.88

4. 82

Solution:

The correct answer is option 3 i.e 88

Question 37:

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: 1. Some machines are kites. 2. No machine is a pigeon. Conclusions: I. Some machines are pigeons. II. All kites are pigeons. III. Some kites are not pigeons.

Difficulty : Moderate Average Time : 45 Seconds

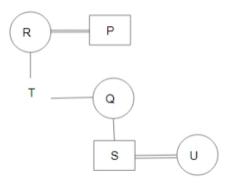
Options:

- 1. Only conclusions I and III follow.
- 2. Only conclusion II follows.
- 3. Only conclusions I and II follow
- 4. Only conclusion III follows.

Solution:

The correct answer is option 4 i.e Only conclusion ITI follows.

Explanation:



Only conclusion III follows.

Question 38:

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Select the number that can replace the question mark (?) in the following series. 5, 10, 26, ?, 122, 170

Difficulty : Moderate Average Time : 46 Seconds

Options:

- 1. 82
- 2. 50
- 3.65
- 4. 77

Solution:

The correct answer is option 2 i.e 50

Explanation:

$$(2)^2 + 1 = 4 + 1 = 5$$

$$(3)^2 + 1 = 9 + 1 = 10$$

$$(5)^2 + 1 = 25 + 1 = 26$$

$$(7)^2 + 1 = 49 + 1 = 50$$

$$(11)^2 + 1 = 121 + 1 = 122$$

$$(13)^2 + 1 = 169 + 1 = 170$$

Question 39:

Select the letter that can replace the question mark (?) in the following series. A, E, I, ?, Q, U

Difficulty : Moderate Average Time : 41 Seconds

Options:

- 1. M
- 2. N
- 3. K
- 4. O

Solution:

The correct answer is option 1 i.e M

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Explanation:

The series follows pattern as,

A + 4 = E

E + 4 = I

1 + 4 = M

M + 4 = Q

Q + 4 = U

Question 40:

Select the letter-cluster that can replace the question mark (?) in the following series. ADG, CGK, EJO, ? , IPW

Difficulty : Moderate Average Time : 39 Seconds

Options:

1. GMZ

2. GNS

3. GNZ

4. GMS

Solution:

The correct answer is option 4 i.e GMS

Explanation:

$$(A + 2)(D + 3)(G + 4) = CGK$$

$$(C + 2)(G + 3)(K + 4) = EJO$$

$$(E + 2)(J + 3)(0 + 4) = GMS$$

$$(G + 2)(M + 3)(S + 4) = IPW$$

Question 41:

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

Difficulty: Moderate Average Time: 40 Seconds

Options:

1.

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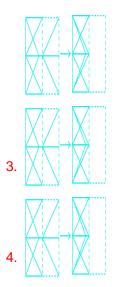








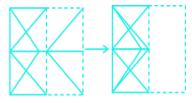




Solution:

The correct answer is option 1 i.e





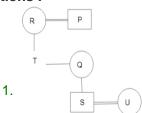
Question 42:

Select the option in which the given figure is embedded (rotation is not allowed)

Difficulty: Moderate

Average Time: 61 Seconds

Options:



2.

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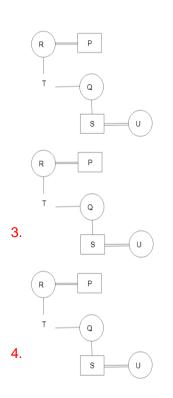












Solution:

The correct answer is option 1 i.e

Question 43:

How many triangles are there in the given figure?

S

 ${\bf Difficulty: Moderate}$

Average Time: 60 Seconds

Options:

1. 25

2. 22

3. 16

4. 28

Solution:

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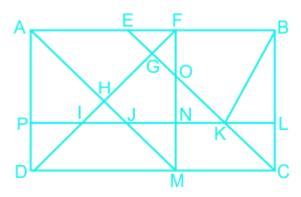






The correct answer is option 1 i.e 25.

The number of Triangles in the figure is given below:



25 Triangles: ADM, AFM, ADF, DMF, ADH, DHM, MHF, FHA, PID, HIJ, JNM, EFO, EFG, FGO, FIN, MOC, NOK, BKC, BKL, KLC, EBC, EBK, BKC, GDC, GIK.

Question 44:

Select the option in which the words share the same relationship as that shared by the given pair of words. North: South

Difficulty : Moderate Average Time : 50 Seconds

Options:

1. Frown: Smile

2. Whole: Total

3. Ductile: Bendable

4. Integrity: Honesty

Solution:

The correct answer is option 1 i.e Frown: Smile

Explanation:

Opposite of North is South.

Similarly,

Opposite of the frown is smile.

Question 45:

In a certain a group of men and horses, the total number of legs is 14 more than twice the number of heads. How many horses are there in the group?

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Difficulty: Moderate

Average Time: 43 Seconds

Options:

- 1. 11
- 2. 7
- 3. 9
- 4. 5

Solution:

The correct answer is option 2 i.e 7

Explanation:

The total number of legs is 14 more than twice the number of heads.

A horse have 2 more legs than man so,

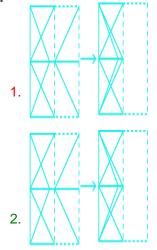
Number of horse = 14/2 = 7

Question 46:

Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

Difficulty : Moderate Average Time : 41 Seconds

Options:



3.

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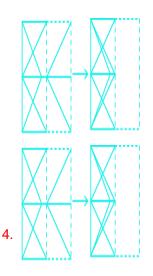






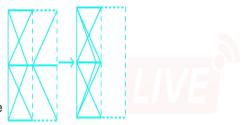








The correct answer is **option 2** i.e





Question 47:

Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '+'.

Difficulty: Moderate Average Time: 63 Seconds

Options:

1. #

2. *

3. @

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\$

Solution:

The correct answer is option 3 i.e @

Question 48:

In a certain code language, 'PAGE' is coded as '161495'. How will 'PART' be coded as in that language?

Difficulty : Moderate Average Time : 32 Seconds

Options:

1. 16125020

2. 16132420

3. 16128620

4. 16136220

Solution:

The correct answer is option 2 i.e 16132420

Explanation:

P = 16

A = 1

 $G = (7)^2 = 49$

E = 5

Similarly,

P = 16

A = 1

 $R = (18)^2 = 324$

T = 20

So,

'PART' is coded as '16132420'.

Question 49:

'Astronomy' is related to 'Stars' in the same way as 'Agronomy' is related to '.......

Difficulty: Moderate Average Time: 43 Seconds

Options:

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Mines

- 2. Crops
- 3. Planets
- 4. Emotions

Solution:

The correct answer is option 2 i.e Crops

Explanation:

'Astronomy' is related to 'Stars' in the same way as 'Agronomy' is related to 'crops'

Question 50:

Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Difficulty : Moderate

Average Time: 41 Seconds

Options:

- 1. BJT
- 2. GCV
- 3. DDP
- 4. FBL

Solution:

The correct answer is option 2 i.e GCV

Explanation:

$$B = 2$$
, $J = 10$, $2 \times 10 = 20(T)$

$$G = 7$$
, $C = 3$, $7 \times 3 = 21$ (U)

$$D = 4$$
, $D = 4$, $4 \times 4 = 16(P)$

$$F = 6$$
, $B = 2$, $6 \times 2 = 12(L)$

Question 51:

Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Difficulty: Moderate Average Time: 43 Seconds

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Options:

- 1. Clarinet
- 2. Trumpet
- 3. Xylophone
- 4. Saxophone

Solution:

The correct answer is option 3 i.e Xylophone

Explanation:

Except option C, remaining all are play by the mouth.

Question 52:

A + B means 'A is the husband of B'; A - B means 'B is the sister of A'; A \times B means 'A is the mother of B'; A \div B means 'B is the son of A'; If, P + R \times T - Q \div S + U, then how is P related to S?

Difficulty : Moderate Average Time : 49 Seconds

Options:

- 1. Maternal grandfather
- 2. Father-in-law
- 3. Paternal grandfather
- 4. Uncle

Solution:

The correct answer is option 1 i.e Maternal grandfather

Explanation:

In the diagram, square shows the males, circle shows the females, vertical lines shows the generation, single horizontal lines shows the brother/sister and double horizontal lines shows the couples.

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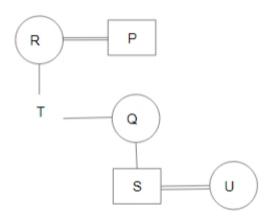












From the diagram,

P is the maternal grandfather of S.

Question 53:

In the given Venn diagram, the 'rectangle' represents 'travellers who like to travel by plane', the 'circle' represents 'travellers who like to travel by bus', and the 'triangle' 'represents travellers who like to travel by train'. The numbers given in the diagram represent the number of travellers in that particular category. How many travellers like to travel either by train or plane but NOT by bus?

Difficulty: Moderate Average Time: 69 Seconds

Options:

- 1. 36
- 2. 27
- 3. 30
- 4. 29

Solution:

The correct answer is option 3 i.e 30

Understanding

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The region except of Circle is the number which shows the travellers who likes to travel either by train or plane.

$$11 + 16 + 13 = 30$$

Hence, 30 is the correct answer.

Question 54:

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

Difficulty : Moderate Average Time : 45 Seconds

Options:









Solution:

The correct answer is option 2 i.e



The arrow is moving in clockwise direction in all the figures.

The arrow is moving down to up and up to down and so on.

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From first to second figure, the main figure which is triangle is inverted.

Letters are increaing by +3, +4, +5, and +6.

The sides of the main figure is increaising by one side.

Question 55:

Which two signs should be interchanged to make the given equation correct? $12 + 81 - 27 \times 9 \div 3 = 36$

Difficulty : Moderate Average Time : 74 Seconds

Options:

1. - and ÷

2. ÷ and ×

3. x and -

4. + and ×

Solution:

The correct answer is option 1 i.e - and ÷

Explanation:

 $12 + 81 - 27 \times 9 \div 3 = 36$

From the option A,

On changing the sign,

 $12 + 81 \div 27 \times 9 - 3 = 36$

12 + 27 - 3 = 36

36 = 36

Question 56:

In a certain code language, 'DKQX' is written as 'WPJC'. How will 'AFKP' be written as in that language?

Difficulty: Moderate Average Time: 46 Seconds

Options:

1. ZTOK

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ZUQI

- 3. ZUPK
- 4. ZVQL

Solution:

The correct answer is option 3 i.e ZUPK

Explanation:

$$D = (27 - 4 = 23) = W$$

$$K = (27 - 11 = 16) = P$$

$$Q = (27 - 17 = 10) = J$$

$$X = (27 - 24 = 3) = C$$

Similarly,

$$A = (27 - 1 = 26) = Z$$

$$F = (27 - 6 = 21) = U$$

$$K = (27 - 11 = 16) = P$$

$$P = (27 - 16 = 11) = K$$

'AFKP' is written as 'ZUPK'.



Question 57:

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 23 5 110 56 9 121 49 3

Difficulty : Moderate

Average Time : 44 Seconds

Options:

- 1. 111
- 2. 113
- 3. 95
- 4. 77

Solution:

The correct answer is option 4 i.e 77

Question 58:

Select the number that can replace the question mark (?) in the following series. 62, 66, 74, 90, ?

Difficulty: Moderate Average Time: 30 Seconds

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Options:

- 1. 106
- 2. 120
- 3. 116
- 4. 122

Solution:

The correct answer is option 4 i.e 122

Explanation:

$$62 + 4 \times 1 = 62 + 4 = 66$$

$$66 + 4 \times 2 = 66 + 8 = 74$$

$$74 + 8 \times 2 = 74 + 16 = 90$$

$$90 + 16 \times 2 = 90 + 32 = 122$$

Question 59:

Arrange the following words in a logical and meaningful order. 1. Quadrillion 2. Quintillion 3. Million 4. Octillion 5. Trillion

Difficulty: Moderate Average Time: 36 Seconds

Options:

- 1. 3-5-1-4-2
- 2. 4-3-5-1-2
- 3. 2-3-5-1-4
- 4. 3-5-1-2-4

Solution:

The correct answer is option 4 i.e 3-5-1-2-4

Explanation:

Arrangement of the words,

Million, Trillion, Quadrillion, Quintillion, Octillion

Question 60:

Name the Indian wrestler who has been named the Junior Freestyle Wrestler of the year (2019) by United World Wrestling

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(UWW).

Difficulty: Moderate Average Time: 42 Seconds

Options:

- 1. Kamareddy
- 2. Deepak Punia
- 3. B.P. Raju
- 4. Amita Bagchi

Solution:

The correct answer is option 2 i.e Deepak Punia.

World championships silver medallist
 Deepak Punia has been named the
 'Junior Freestyle Wrestler of the Year'
 by United World Wrestling (UWW) after
 a stellar season during which he made
 a phenomenal transition from junior to
 the senior circuit.



Question 61:

Which International organisation released the 'World Energy Outlook 2019' Report?

Difficulty: Moderate Average Time: 47 Seconds

Options:

- 1. UNESCO
- 2. United Nations
- 3. World Trade Organisation
- 4. International Energy Agency

Solution:

The correct answer is option 4 i.e International Energy Agency.

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- World Energy Outlook 2019 was released by the International Energy Agency (IEA).
- The installed capacity of solar energy to increase from 495 GW to 3142 GW by the year 2040.

Question 62:

The Supreme Court has declared access to the Internet a fundamental right under Article _____ of the Indian Constitution.

Difficulty: Moderate Average Time: 48 Seconds

Options:

- 1. 19
- 2. 14
- 3. 17
- 4. 21

Solution:

The correct answer is option 1 i.e. 19.

- 1. The Supreme Court said access to the Internet is a fundamental right under Article 19 of the Constitution, subject to some restrictions and said freedom of the press is a valuable and sacred right.
- 2. Article 19 of the Constitution provides freedom of speech which is the right to express one's opinion freely without any fear through oral/written/electronic/broadcasting/press.

Question 63:

Mehrunnisa who was known as Nur Jahan was the wife of _____.

Difficulty : Moderate Average Time : 46 Seconds

Options:

- 1. Aurangzeb
- 2. Shah Jahan

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Jahangir

4. Akbar

Solution:

The correct answer is option 3 i.e Jahangir.

 Nur Jahan was the twentieth (and last) wife of the Mughal emperor Jahangir.

Question 64:

Alyssa Healy who created a world record by becoming the highest scorer in women's T20I belongs to ______.

Difficulty: Moderate Average Time: 43 Seconds

Options:

- 1. India
- 2. Canada
- 3. Japan
- 4. Australia

Solution:

The correct answer is option 4 i.e Australia.

 Australia's Alyssa Healy smashed an unbeaten 148 off 61 balls to set a new world record for the highest individual score in women's Twenty20 internationals at the North Sydney Oval.

Question 65:

If the inflation in an economy is rising steadily, the Central Bank might _____

Difficulty: Moderate Average Time: 45 Seconds

Options:

1. Decrease the repo rate

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Decrease the reverse repo rate

- 3. Increase the repo rate
- 4. Keep the repo rate unchanged

Solution:

The correct answer is **option 3** i.e. **Increase the repo rate.**

- If the inflation in an economy is rising steadily, the Central Bank might increase the reporate
- Repo Rate It is the rate at which the Reserve Bank of India (RBI) lends short-term money to banks.

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Merchant	discount	rate	refers	to	
----------	----------	------	--------	----	--

Average Time: 45 Seconds

Options:

- 1. the total discount a bank offers to the merchant for promoting online transactions
- 2. the total discount a merchant offers on online transactions
- 3. the rate charged to a merchant for payment processing services on debit and credit card transactions
- 4. only taxes that a digital payment entails

Solution:

The correct answer is option 3 i.e the rate charged to a merchant for payment processing services on debit and credit card transactions.

- The merchant discount rate is the rate charged to a merchant for payment processing services on debit and credit card transactions.
- The merchant must set up this service and agree to the rate before accepting debit and credit cards as payment.

Question 67:

Which Indian journalist was honoured with India's Most Powerful Woman in Media Award during the prestigious Confluence Excellence Award ceremony held in the British parliament on 27 September 2019?

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Difficulty: Moderate

Average Time: 67 Seconds

Options:

- 1. Sunetra Chaudhary
- 2. Anubha Bhonsle
- 3. Kallie Puri
- 4. Sona Choudhary

Solution:

The correct answer is option 3 i.e Kallie Puri.

 Indian journalist Kallie Puri was honoured with the "India's Most Powerful Women in Media" award. She received the global honour at the prestigious Confluence Excellence Awards at the British Parliament on September 27, 2019.

Question 68:

In which year did D.C. Sircar publish Indian Epigraphy and Indian Epigraphical Glossary?

Difficulty: Moderate Average Time: 48 Seconds

Options:

1. 1965-66

2. 1967-68

3. 1966-67

4. 1964-65

Solution:

The correct answer is option 1 i.e 1965-66.

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- D.C. Sircar publish Indian Epigraphy and Indian Epigraphical Glossary in 1965-66.
- Dinesh Chandra Sircar was an epigraphist and historian among his many talents. He is known for his work in deciphering inscriptions in India and Bangladesh.

Question 69:

To which of the following Indian states does Mardani Khel, one of the famous martial art forms in India belong?

Difficulty: Moderate Average Time: 49 Seconds

Options:

- 1. Uttar Pradesh
- 2. Madhya Pradesh
- 3. Maharashtra
- 4. Rajasthan

Solution:

The correct answer is option 3 i.e Maharashtra.

- Mardani Khel is an armed Indian martial art from Maharashtra.
- It is particularly known for its use of the uniquely Indian Patta (sword) and vita (corded lance).
- The early history of Mardani Khel as a distinct system is difficult to trace prior to the 1600s, but it is said to owe its development to the particular geographic conditions of Maharashtra.

Question 70:

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Which of the following diseases is NOT transmitted from one person to another?

Difficulty: Moderate Average Time: 55 Seconds

Options:

- 1. Syphilis
- 2. Hepatitis B
- 3. AIDS
- 4. Cirrhosis

Solution:

The correct answer is option 4 i.e. Cirrhosis.

- Cirrhosis is a late-stage liver disease in which healthy liver tissue is replaced with scar tissue and the liver is permanently damaged.
- Syphilis, hepatitis, an AIDS are the viral diseases that are communicable.

Question 71:

When did the Vikrama Era begin?

Difficulty: Moderate Average Time: 45 Seconds

Options:

- 1. 47 BC
- 2. 55 BC
- 3. 57 BC
- 4. 50 BC

Solution:

The correct answer is option 3 i.e 57 BC.

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 The Vikrama Era began in 57 BC. It is said (as per the Jain book KĕlakÄ•cÄ•ryakathÄ•) that Vikram Era was founded King Vikramĕditya gained victory over the Åšakas.

Question 72:

Who is the first General of the Indian Army, whose retirement day is celebrated as the 'Armed Forces Veterans Day' every year?

Difficulty : Moderate Average Time : 48 Seconds

Options:

- 1. General K.S. Thimayya
- 2. General S.M. Srinagesh
- 3. General K. M. Cariappa
- 4. General Maharaj Rajendra Sinhji

Solution:

The correct answer is option 3 i.e General K. M. Cariappa.

- Fifth Indian Armed Forces Veterans
 Day was celebrated as a recognition of
 the services rendered by the first
 Commander-in-Chief of Indian Armed
 Forces, Field Marshal KM Cariappa,
 OBE who retired on 14 Jan 1953.
- Wreath Laying Ceremony was organised at National War Memorial in New Delhi with Vice Admiral R Hari Kumar, CISC, Headquarter Integrated Defence Staff paying homage to the martyrs in presence of veterans.

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The SDG India index is developed by _____

Difficulty: Moderate Average Time: 58 Seconds

Options:

- 1. Ministry of Environmental, Forests and Climate Change
- 2. Ministry of Home Affairs
- 3. NITI Aayog
- 4. World Bank

Solution:

The correct answer is option 3 i.e NITI Aayog.

 The SDG India Index—which has been developed in collaboration with the Ministry of Statistics and Programme Implementation (MoSPI), United Nations in India, and Global Green Growth Institute—was launched by NITI Aayog Vice-Chairman.

Question 74:

Which of the following is the first South Asian country to call match-fixing a crime?

Difficulty: Moderate Average Time: 50 Seconds

Options:

- 1. India
- 2. Sri Lanka
- 3. Nepal
- 4. Pakistan

Solution:

The correct answer is option 2 i.e Sri Lanka.

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- This new legislation related to matchfixing and corruption will apply to all sports & if a person is found guilty of corruption in the game, he can be punished for up to 10 years and also be required to pay other fines.

Question 75:

Who performs the task of capturing oxygen in the blood?

Difficulty : Moderate Average Time : 57 Seconds

Options:

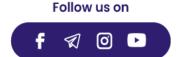
- 1. White blood cells
- 2. Red blood cells
- 3. Chlorophyll
- 4. Haemoglobin

Solution:

The correct answer is option 4 i.e Haemoglobin.

- Haemoglobin captures the oxygen in the blood.
- It carries carbon dioxide to the lungs.
- It also transports oxygen to the tissues of the lungs.
- It has four heme groups that bind to the oxygen.

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Question 76:

In which state and along which river is the Jayakwadi dam located?

Difficulty: Moderate Average Time: 49 Seconds

Options:

- 1. Godavari river Maharashtra
- 2. Banas river Rajasthan
- 3. Periyar river Kerala
- 4. Ravi river Punjab

Solution:

The correct answer is option 1 i.e. Godavari river - Maharashtra.

- Jayakwadi dam is an earthen dam located on the Godavari river at the site of Jayakwadi village in Paithan taluka of Aurangabad district in Maharashtra.
- It is one of the largest earthen dams in Asia.
- Its height is approx 41.30 m and length of 9.998 km (10 km approx) with a total storage capacity of 2,909 MCM (million cubic meters) and effective live storage capacity is 2,171 MCM.

Question 77:

Which leader gave us the C R Formula?

Difficulty: Moderate Average Time: 53 Seconds

Options:

- 1. C. R. Das
- 2. C. Rajagopalachari
- 3. Tilak
- 4. Mahatma Gandhi

Solution:

The correct answer is option 2 i.e C. Rajagopalachari.

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Average Time: 53 Seconds



- C R formula was a proposal formulated by Chakravarti Rajagopalachari to solve the political deadlock between the All India Muslim League and the Indian National Congress on the independence of British India.
- The League was formed in 1906 to "protect the interests of Muslims" in British India and to "represent their needs and aspirations to the Government".

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_____ is the only metal that is antibacterial.

Difficulty: Moderate

Options:

- 1. Iron
- 2. Sodium
- 3. Aluminium
- 4. Copper

Solution:

The correct answer is option 4 i.e. Copper.

 Copper and its alloys (brasses, bronzes, cupronickel, copper-nickel-zinc, and others) are natural antimicrobial materials.

Question 79:

Madhavpur Mela takes place in ______.

Difficulty: Moderate Average Time: 40 Seconds

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Options:

- 1. Maharashtra
- 2. Madhya Pradesh
- 3. Uttar Pradesh
- 4. Gujarat

Solution:

The correct answer is option 4 i.e Gujarat.

- The Madhavpur Mela of Gujarat shares its connection to the Mishmi Tribe of Arunachal Pradesh.
- This event is commemorated by a cultural fair held every year, commencing on Ram Navami.

Question 80:

Which of the following is a natural flame retardant?

Difficulty: Moderate Average Time: 46 Seconds

Options:

- 1. Flowers
- 2. Skin
- 3. DNA
- 4. RNA

Solution:

The correct answer is option 3 i.e DNA.

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 DNA can be considered as a natural flame retardant and suppressant because its chemical structure makes it ideal for stopping fires.

Question 81:

In the sequence of planets in the Solar system, which planet comes in between Mercury and Earth?

Difficulty: Moderate Average Time: 43 Seconds

Options:

- 1. Mars
- 2. Venus
- 3. Jupiter
- 4. Uranus

Solution:

The correct answer is option 2 i.e. Venus.

The order of the planets in the solar system, starting nearest the sun and working outward is the following: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

Question 82:

Which of the following gases is consistently seen to be most abundant in a volcanic eruption?

Difficulty: Moderate Average Time: 40 Seconds

Options:

- 1. Sulphur Dioxide
- 2. Carbon Dioxide
- 3. Water vapour
- 4. Hydrogen Sulphide

Solution:

The correct answer is option 3 i.e. Water vapour.

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 The main components of volcanic gases are water vapour (H₂O), carbon dioxide (CO₂), sulfur dioxide (SO₂) or hydrogen sulfide (H₂S), nitrogen, argon, helium, neon, methane, carbon monoxide and hydrogen.

Question 83:

Which of the following is the primary sex organ in females?

Difficulty: Moderate Average Time: 49 Seconds

Options:

- 1. Uterus
- 2. Fallopian tube
- 3. Ovary
- 4. Vagina

Solution:

The correct answer is option 3 i.e Ovary.

- A sex organ is any part of an animal or plant that is involved in sexual reproduction.
- The ovary in the female is the primary sex organ.
- The ovary produces an ovum or egg and when released, it reaches the fallopian tube into the uterus, where it is fertilized by a sperm.

Question 84:

UN Women propose to partner with _____ gender park with an aim to secure gender parity in South Asia.

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Difficulty: Moderate

Average Time: 55 Seconds

Options:

- 1. Punjab's
- 2. Haryana's
- 3. Rajasthan's
- 4. Kerala's

Solution:

The correct answer is option 4 i.e Kerala's.

- The Gender Park was established in 2013, an initiative of the Government of Kerala to work towards gender equality and empowerment in the state.
- · Headquartered at Thiruvananthapuram.
- The vision of Gender Park: A just society where all genders have equal access to opportunities, resources and benefits with an equal voice in key decision-making that shapes their lives, communities and the state.

Question 85:

Two tangents PA and PB are drawn to a circle with centre O from an external point P. If OAB = 30o, then APB is :

Difficulty: Moderate Average Time: 62 Seconds

Options:

- 1. 120°
- 2. 30°
- 3. 15°
- 4. 60°

Solution:

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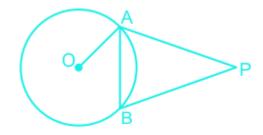






The correct answer is option 4 i.e 60°

Explanation:



PA & PB are the tangents to a circle, with Centre O from a point P outside it.

We know that the tangents to a circle from an external point are equal in length so PA = PB.

PA =PB

PBA = PAB

[Angles opposite to the equal sides of a triangle are equal.]

 $APB + PBA + PAB = 180^{\circ}$

[Sum of the angles of a triangle is 180°]

 x° + PAB +PAB = 180°

[PBA = PAB]

 $x^{\circ} + 2PAB = 180^{\circ}$

 $PAB = 1/2(180^{\circ} - x^{\circ})$

 $PAB = 90^{\circ} - x^{\circ}/2$

OAB +PAB=90°

OAB =90° - PAB

 $OAB = 90^{\circ} - (90^{\circ} - x^{\circ}/2)$

 $OAB = 90^{\circ} - 90^{\circ} + x^{\circ}/2$

 $OAB = x^{\circ}/2$

OAB = APB / 2

OAB = 1/2APB

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APB = 2OAB

 $APB = 2 \times 30^{\circ}$

Question 86:

ABC is an equilateral triangle. P, Q, and R are the midpoints of sides AB, BC, and CA, respectively. If the length of the side of the triangle ABC is 8 cm, then the area of PQR is:

Difficulty : Moderate

Average Time: 100 Seconds

Options:

- 1. (3)/3 cm²
- $2. (3)/4 \text{ cm}^2$
- 3. 43 cm²
- 4. 83 cm²

Solution:

The correct answer is option 3 i.e 43 cm²

In the ABC, point P, Q, R are mid points so,

Sides of the PQR = 8/2 = 4 cm

s = (perimeter of the triangle PQR)/(2) = (4 + 4 + 4)/(2) = 6 cm

Area of PQR by Heron's formula,

$$= (s(s - a)(s - b)(s - c))$$

$$= (6(6 - 4)(6 - 4)(6 - 4))$$

=(6(2)(2)(2)

 $= 43 \text{ cm}^2$

Question 87:

Solve the following. (Sin40o)/(Cos50o) + (Cosec50o)/(Sec40o) - 4Cos50o Cosec40o

Difficulty : Moderate Average Time : 56 Seconds

Options:

1. 2

2. -2

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-1

4. 1

Solution:

The correct answer is option 2 i.e -2

Explanation:

$$(\sin 40^{\circ})/(\cos 50^{\circ}) + (\cos 650^{\circ}) / (\sec 40^{\circ}) - 4\cos 50^{\circ} \csc 40^{\circ}$$
 $[\sin (90 - x^{\circ}) = \cos x]$
 $[\cos (90 - x^{\circ}) = \sin x]$
 $(\sin 40^{\circ})/(\cos 50^{\circ}) + (\csc 50^{\circ}) / (\sec 40^{\circ}) - 4\cos 50^{\circ} \csc 40^{\circ}$
 $(\sin (90^{\circ} - 50^{\circ}))/(\cos 50^{\circ}) + (\csc (90^{\circ} - 40^{\circ}) / (\sec 40^{\circ}) - 4\cos (90^{\circ} - 50^{\circ}) \cos (40^{\circ})$
 $(\cos 50^{\circ})/(\cos 50^{\circ}) + (\sec 40^{\circ}) / (\sec 40^{\circ}) - 4\sin 40^{\circ} \csc 40^{\circ}$
 $(\cos 50^{\circ})/(\cos 50^{\circ}) + (\sec 40^{\circ}) / (\sec 40^{\circ}) - 4\sin 40^{\circ} \csc 40^{\circ}$

Question 88:

-2

The average of the marks of 30 boys is 88, and when the top two scores were excluded, the average marks reduced to 87.5. If the top two scores differ by 2, then the highest mark is :

Difficulty: Moderate

Average Time: 80 Seconds

Options:

1. 92

2.96

3. 94

4. 90

Solution:

The correct answer is option 2 i.e 96

Explanation:

Total marks of 30 boys = $88 \times 30 = 2640$

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(Average = sum of all term/number of terms)

when the top two scores were excluded, the average marks reduced to 87.5

Total marks of 28 boys = $87.5 \times 28 = 2450$

Sum of the top two score = 2640 - 2450 = 190 ---(1)

difference of two score = 2

Let the top score be x so 2nd top score = x - 2

From eq(1),

x + x - 2 = 190

x = 192/2 = 96

Question 89:

An article was sold at a gain of 18%. If it had been sold for Rs. 49 more, then the gain would have been 25%. The cost price of the article is:

Difficulty: Moderate

Average Time: 57 Seconds

Options:

- 1. Rs.700
- 2. Rs.570
- 3. Rs.650
- 4. Rs.890

Solution:

The correct answer is option 1 i.e Rs.700

Explanation:

Let the cost price of an article be 100%.

Difference in gain = (25 - 18)% = 7%

49 = 7%

Cost price(100%) = $49/7 \times 100 = Rs.700$

Question 90:

If the value of (a + b - 2)2 + (b + c - 5)2 + (c + a - 5)2 = 0, then the value of ((b + c)a + (c + a)b - 1) is:

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Difficulty: Moderate

Average Time: 44 Seconds

Options:

- 1. 1
- 2. 2
- 3. 3
- 4. 0

Solution:

The correct answer is option 3 i.e 3

Explanation:

$$(a + b - 2)^2 + (b + c - 5)^2 + (c + a - 5)^2 = 0$$

LHS:

$$(a+b-2)^2 + (b+c-5)^2 + (c+a-5)^2$$

$$= (0)^2 + (0)^2 + (0)^2$$

= 0

= RHS

$$a + b - 2 = 0$$

$$a + b = 2 - - (1)$$

$$b + c - 5 = 0$$

$$b + c = 5 ---(2)$$

$$c + a - 5 = 0$$

$$a + c = 5 - - (3)$$

$$Eq(1) + (2) + (3),$$

$$2(a + b + c) = 2 + 5 + 5$$

$$a + b + c = 6$$

put the value from eq(1),

$$2 + c = 6$$

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c = 4

From eq(2),

b + 4 = 5

b = 1

From eq(1),

a + 1 = 2

a = 1

 $((b + c)^{a} + (c + a)^{b} - 1)$

 $= ((5)^{a} + (5)^{b} - 1)$

 $=((5)^1+(5)^1)$

9 = 3

Question 91:

A, B and C can individually complete a task in 24 days, 20 days and 18 days, respectively. B and C start the task, and they work for 6 days and leave. The number of days required by A alone to finish the remaining task, is :

Average Time: 83 Seconds

Difficulty: Moderate

Options:

1. 15(2/3) days

2. 12(1/2) days

3. 8(4/5) days

4. 10 days

Solution:

The correct answer is **option 3** i.e $33\frac{1}{3}$ **days**

Explanation:

Let the total task be 360.

(â^µ LCM of 24, 20 and 18 is 360.)

Efficiency of A = 360/24 = 15

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Efficiency of B = 360/20 = 18

Efficiency of C = 360/18 = 20

Task done by B and C in 6 days = total efficiency \times time = (18 + 20) \times 6 = 228

Remaining Task = 360 - 228 = 132

Time taken to complete remaining task by A = work/efficiency = 132/15 = 8(12/15) = 33

Question 92:

What will be the difference in compound interest on a sum of Rs. 7,800 at 8% for 1 year, when the interest is paid yearly and half yearly?

Difficulty : Moderate Average Time : 63 Seconds

Options:

- 1. Rs.29.18
- 2. Rs.12.48
- 3. Rs.24.72
- 4. Rs.19.46

Solution:

The correct answer is option 2 i.e Rs.12.48

Explanation:

Principal(p) = 7800

Rate of interest(r) = 8%

time(t) = 1 year

Interest when paid yearly = $p(1 + r/100)^t - p = 7800 \times (1 + 8/100) - 7800$

 $= 7800 \times 108/100 - 7800 = 8424 - 7800 = 624$

Interest when paid yearly,

 $t = 1 \times 2 = 2$

r = 8/2 = 4%

Interest = $7800 \times (1 + 4/100)^2 - 7800 = 7800 \times (104/100) \times (104/100) - 7800 = 8436.48$

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7800 = 636.48

Difference = 636.48 - 624 = Rs.12.48

Question 93:

In the following table, the production of various crops(in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow. Year Rice Wheat Sugarcane Barley Maize 2015 415 2500 1000 975 490 2016 520 4218 1120 825 520 2017 585 3482 1250 700 610 2018 625 4500 1325 625 725 2019 600 3300 1450 775 840 The difference (in tonnes) between the average production of barley and average production of rice is:

Difficulty : Moderate Average Time : 61 Seconds

Options:

- 1. 231
- 2. 780
- 3. 549
- 4. 471

Solution:

The correct answer is option 1 i.e 231

Explanation:

Total production of barley = 975 + 825 + 700 + 625 + 775 = 3900

Average = sum of the terms/total number of terms

Average production of barley = 3900/5 = 780

Total production of rice = 415 + 520 + 585 + 625 + 600 = 2745

Average production of rice = 2745/5 = 549

The difference (in tonnes) between the average production of barley and average

production of rice = 780 - 549 = 231

Question 94:

If '+' means '-', '-' means '+', 'x' means ' \div ' and ' \div ' means 'x', then the value of ([(30 × 5) + (84 × 6)] \div 5)/([2/3 \div 18] - [4 \div 2]) is:

Difficulty: Moderate Average Time: 54 Seconds

Options:

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- -2
- 2. 2
- 3. -1
- 4. 1

Solution:

The correct answer is option 1 i.e -2

Explanation:

$$([(30 \times 5) + (84 \times 6)] \div 5) / ([2/3 \div 18] - [4 \div 2])$$

On changing the sign,

$$([30 \div 5) - (84 \div 6)] \div 5) / ([2/3 \times 18] + [4 \times 2])$$

$$([6 - 14] \times 5) / (12 + 8)$$

-40 / 20

-2

Question 95:

A student takes 1.25 hours to travel from home to school at a speed of 4 km/h. By what percentage should he increase his speed to reduce the time by 25% to cover the same distance from school to home?

Difficulty: Moderate

Average Time: 51 Seconds

Options:

- 1. 33(1/3)%
- 2. 50%
- 3. 45%
- 4. 25%

Solution:

The correct answer is **option 1** i.e $33\frac{1}{3}\%$

Explanation:

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Distance = time \times speed = 1.25 \times 4 = 5 km

Time reduce by 25% so time = $1.25 \times 75/100 = 0.9375$

Speed = distance/time = 5/0.9375 = 5.33

Increment in speed = 5.33 - 4 = 1.33

Percentage increment = $(1.33)/(4) \times 100 = 33\frac{1}{3}\%$

Question 96:

If a sum of Rs.1,180 is to be divided among A, B and C, such that 2 times A's share, 5 times B's share and 7 times C's share, are equal, then A's share is :

Difficulty : Moderate Average Time : 58 Seconds

Options:

- 1. Rs.500
- 2. Rs.750
- 3. Rs.650
- 4. Rs.700

Solution:

The correct answer is option 4 i.e Rs.700

Explanation:

According to the question,

$$2 \times A = 5 \times B = 7 \times C$$

$$B = 2A / 5 & C = 2A / 7$$

$$A + 2A / 5 + 2A / 7 = 1180$$

$$59A / 35 = 1180$$

$$A = Rs.700$$

Question 97:

If the number 687x29 is divisible by 9, then the value of 2x is :

Difficulty: Moderate Average Time: 45 Seconds

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Options:

- 1. 8
- 2. 3
- 3. 2
- 4. 4

Solution:

The correct answer is option 1 i.e 8

Explanation:

Divisibility rule by 9, if the sum of all number is divisible by 9 then number is divisible by 9.

Sum of number = 6 + 8 + 7 + x + 2 + 9 = 32 + x

putting the value of x = 4

32 + 4 = 36 divisible by 9 so,

 $zx = 2 \times 4 = 8$

Question 98:

The population of a city increased by 30%in the first year and decreased by 15% in the next year. If the present population is 11.050 then the population 2 years ago was :

Difficulty : Moderate

Average Time: 47 Seconds

Options:

- 1. 10,000
- 2. 99,500
- 3. 99,000
- 4. 10,050

Solution:

The correct answer is option 1 i.e 10,000

Explanation:

Let 2 years ago the population of a city be x.

Population after 1 year = $x \times (130/100)/(100) = 1.3x$

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Population after 2 year = 1.3x (85/100) = 1.105x

11050 = 1.105x

x = 10000

The population 2 years ago was 10000.

Question 99:

In the following table, the production of various crops(in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow. Year Rice Wheat Sugarcane Barley Maize 2015 415 2500 1000 975 490 2016 520 4218 1120 825 520 2017 585 3482 1250 700 610 2018 625 4500 1325 625 725 2019 600 3300 1450 775 840 The highest growth of sugarcane production over its previous year is recorded in the year:

Difficulty : Moderate Average Time : 51 Seconds

Options:

1. 2018

2. 2016

3. 2019

4. 2017

Solution:

The correct answer is option 4 i.e 2017

Explanation:

Growth in 2016 = 1120 - 1000 = 120

Growth in 2017 = 1250 - 1120 = 130

Growth in 2018 = 1325 - 1250 = 75

Growth in 2019 = 1450 - 1325 = 125

The highest growth of sugarcane production over its previous year is recorded in the year

2017.

Question 100:

A metallic sphere of diameter 40 cm is melted into smaller spheres of radius 0.5 cm. How many such small balls can be made?

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Difficulty: Moderate

Average Time: 44 Seconds

Options:

- 1. 32,000
- 2. 3,200
- 3. 64,000
- 4. 6,400

Solution:

The correct answer is option 3 i.e 64,000

Explanation:

Volume of sphere = $4/3 \text{ r}^3$

radius of sphere = diameter/2 = 40/2 = 20 cm

volume of sphere = total volume of all smaller sphere

 $4/320^3 = n \times 4/3 (0.5)^3$

8000 = 0.125n

n = 8000/0.125 = 64000

64000 small balls can be made.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2020-03-06 in the Morning exam is as follows:

- 1. 100 questions were moderate.
- 2. The safe score is 140 marks.
- 3. 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning, 25 questions were asked from English Language and 25 questions were asked from General Awareness
- 4. 14 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic

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Wise Weightage

Quantitative Aptitude

- 1. Number Series 1
- 2. Data Sufficiency 24

Logical Reasoning

- 1. Figure Based 1
- 2. Data Sufficiency 24

English Language

1. Cloze Test - 25

General Awareness

- 1. History 3
- 2. Polity 1
- 3. Economics 2
- 4. Science 5
- 5. Geography 3
- 6. GK Misc 3
- 7. Current Affairs 8



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- 1. Try to solve Ssc Cgl Tier I Previous Year Question Paper without taking any help from the solutions.
- 2. Ssc Cgl Tier I Previous Year Question Paper require proper usage of concept so firstly read the question thoroughly and then use the right concept.
- 3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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Answer Key Important Days

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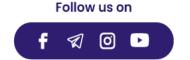
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About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Ssc Cgl Tier I Previous Year Question Paper. She has guided her team to provide the best explanation for the question.

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