



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 2019-06-04 in the Afternoon 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 :

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

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. MPNO
2. TWUV
3. DGEF
4. HNLJ

Solution :

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

All except HNLJ has one vowel.

So, the odd letter group is option 4.

Question 2 :

Arrange the following words in a logical and meaningful order. 1. Medicine 2. Diagnosis 3. Prescription 4. Illness 5. Recovery 6. Doctor

Difficulty : Moderate

Average Time : 36 Seconds

Options :

4, 6, 3, 2, 1, 5

2. 2, 6, 4, 1, 3, 5

3. 4, 6, 2, 3, 1, 5

4. 4, 6, 1, 3, 2, 5

Solution :

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

The order in which a disease is cured is to be identified.

Logical order:

4. Illness
6. Doctor
2. Diagnosis
3. Prescription
1. Medicine
5. Recovery

Question 3 :

If BACK is coded as 11312 and CAKE is coded as 51113, then how will MADE be coded as?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 51413
2. 54113
3. 31145
4. 13145

Solution :

The correct answer is **option 2** i.e. **54113**

Understanding	Application
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<p>The numerical position values of each alphabet is written in reverse order.</p> <p>BACK is coded as 11312</p> <p>Numerical position values: B - 2, A - 1, C - 3, K - 11</p>	<p>Similarly, for MADE</p> <p>Numerical position values: M - 13, A - 1, D - 4, E - 5</p> <p>Code: 54113</p>
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Question 4 :

Which number will replace the question mark (?) in the following series? 2, 5, 11, 23, 44, ?

Difficulty : Moderate

Average Time : 53 Seconds

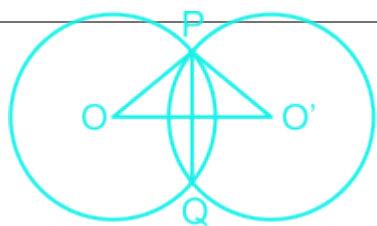
Options :

1. 77
2. 63
3. 66
4. 51

Solution :

The correct answer is **option 1** i.e. 77.

Understanding



Hence, next term is 77.

Question 5 :

In a code language, TEMPLE is written as DKOLDS. How will WORSHIP be written as in that language?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. VNQGHOR
2. OHGRQNV
3. QJITSPX
4. OGHQRVN

Solution :

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

Understanding	Application
First, the letter of the word is written in reverse order and then each alphabet moves 1 step backward. First TEMPLE is written as ELPMET. Then each alphabet moves 1 step backward: DKOLDS	Similarly, WORSHIP is written as PIHSROW. Then each alphabet moves 1 step backward: OHGRQNV

Question 6 :

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

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 56
2. 12
3. 30
4. 14

Solution :



The correct answer is **option 4** i.e. **14**

1. $56 = 7 \times 8$

2. $12 = 3 \times 4$

3. $30 = 5 \times 6$

4. $14 = 2 \times 7$

All except 14 are the product of two consecutive numbers.

Question 7 :

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

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. bdcab

2. bdabc

3. cbdbc

4. bdbca

Solution :

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

The sequence of series is acbddb

Checking with option 2:

ac**bd**db/ac**bd**db/ac**bd**db

Hence, bdabc is the correct answer.

Question 8 :

Select the set in which the numbers are related in the same way as are the numbers of the following set. (10, 18, 38)

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. (12, 22, 46)

(14, 12, 8)

3. (4, 12, 22)

4. (18, 6, 14)

Solution :

The correct answer is **option 1** i.e. **(12, 22, 46)**

Understanding	Application
Pattern: (n, 2n - 2, 4n - 2) (10, 18, 38) $18 = 2 \times 10 - 2$ $38 = 4 \times 10 - 2$	Similarly, for (12, 22, 46): $22 = 2 \times 12 - 2$ $46 = 4 \times 12 - 2$ Hence, (12, 22, 46) is the correct answer.

Question 9 :

'Action' is related to 'Reaction' in the same way as 'Stimulus' is related to '_____'.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Reception
2. Response
3. Vision
4. Feedback

Solution :

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

Understanding

An action leads to a reaction.

Similarly, a stimulus leads to a response.

Hence, **response** is the correct answer.

Question 10 :

Select the wrongly spelt word.

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Comparison
2. Communication
3. Competition
4. Comparable

Solution :

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

The correct spelling is "**Competition**" meaning '**the activity or condition of striving to gain or win something by defeating or establishing superiority over**'.

Meaning of other words:

- **Comparison**:- a consideration or estimate of the similarities or dissimilarities between two things or people.
- **Communication**:- the imparting or exchanging of information by speaking, writing, or using some other medium.
- **Comparable**:- able to be likened to another; similar.

Hence, the chosen option is correct.

Question 11 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No Improvement'. I look for a better job for the last two months, but nothing is in sight.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. have looked for a better job
2. have been looking for a better job



looked for a better job

4. No Improvement

Solution :

The correct answer is **option 2 i.e. have been looking for a better job.**

Concept/Grammar Rules:

- The sentence shows a continuous activity by the speaker which started in past and still continues.
- In this situation, present perfect continuous tense is required to form a grammatically correct sentence.
- The present perfect continuous (also called present perfect progressive) is a verb tense that is used to show that an action started in the past and has continued up to the present moment.

Explanation:

- The present perfect continuous usually emphasizes duration or the amount of time that an action has been taking place.
- **I have been looking for a better job for the last two months, but nothing is in sight.**
- The phrase '**for the last two months**' states that the speaker has started the activity in the past which is being continued in the present. So, we will use the past perfect continuous tense i.e. have been looking.

Hence, **option 2 is correct.**

Question 12 :

In the sentence identify the segment which contains the grammatical error. She got two quick promotions in order that she has good communication skills.

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. she has good communication skills
2. She got
3. two quick promotions
4. in order that

Solution :

The correct answer is **option 4 i.e. in order that.**

Explanation:

- '**In order**' means '**according to a particular sequence**'.



However, the sentence requires conjunction which means **'for the reason that'**.

- **'Because'** is the perfect replacement of **'in order that'** to make the sentence grammatically and contextually correct.

She got two quick promotions in order that she has good communication skills.

In place of **'in order that'** we should use **'because'** to make the sentence correct.

The correct sentence will be: **She got two quick promotions in order that she has good communication skills.**

Hence, the chosen option is correct.

Question 13 :

Select the correct passive form of the given sentence. Do not park your car in front of my house.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. My house should not be parked in front of your car.
2. Your car could not be parked in front of my house.
3. Your car need not be parked in front of my house.
4. Your car should not be parked in front of my house.

Solution :

The correct answer is **option 4, i.e. Your car should not be parked in front of my house.**

The following rules should be considered while changing active form to passive voice:

- The places of subject and object will be interchanged in the sentence.
- Only 3rd form of the verb or Past Participle will be used as a main verb in the Passive Voice.

Applications:

Your car should not be parked in front of my house.

In case of a command, while converting to the passive voice we first write the object i.e. **car**, then not be and lastly the third form of verb i.e **'parked'**.

Hence, the chosen option is correct.

Question 14 :

Select the most appropriate meaning of the given idiom. Get out of hand



Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. Get upset
2. Give up something
3. Get out of control
4. To complete a task

Solution :

The correct answer is **option 3, i.e. Get out of control.**

Idiom Meaning: Get out of hand means when something goes out of control.

If a situation gets out of hand, it cannot be controlled any longer.

Example: Two men in the club had an argument that got out of hand and the police were called.

Hence, the chosen option is correct.

Question 15 :

Select the SYNONYM of the given word. GARRULOUS

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Concise
2. Throaty
3. Guttral
4. Talkative

Solution :

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

Garrulous means excessively talkative, especially on trivial matters.

For eg: He was a garrulous person.

Talkative means fond of or given to talking.

Synonyms: chatty, glib, loquacious, voluble, babbling, talkative.



Antonyms: quiet, silent, mum, reserved, still

Meaning of other words:-

- **Concise:** Giving a lot of information clearly and in a few words; brief but comprehensive.
- **Throaty:** Deep and husky.
- **Guttural:** Produced at the back of the throat and therefore deep.

Hence, the chosen option is correct.

Question 16 :

Select the word which means the same as the group of words given. A person without a settled home or regular work who wanders from place to place and lives by begging.

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Itinerant
2. Truant
3. Migrant
4. Vagrant

Solution :

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

Vagrant means a person without a settled home or regular work who wanders from place to place and lives by begging.

Meaning of other words:

- **Itinerant** means travelling from place to place.
- **Truant** means a pupil who stays away from school without leave or explanation.
- **Migrant** means a person who moves from one place to another, especially in order to find work or better living conditions.

Hence, option 4 is correct.

Question 17 :

In the sentence identify the segment which contains the grammatical error. Due to Cyclone Idai vast areas of land have been flooded, roads destroyed and communications disrupting in Zimbabwe and Mozambique.



Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Due to Cyclone Idai
2. vast areas of land have been flooded
3. roads destroyed
4. and communications disrupting

Solution :

The correct answer is **option 4 i.e. and communications disrupting.**

The fragment '**and communications disrupting**' is not maintaining the parallelism of the sentence. All the verbs present in the sentence must agree with each other.

'**Disrupting**' must be replaced with '**disrupted**' to form a grammatically correct sentence.

The correct sentence will be: Due to Cyclone Idai vast areas of land have been flooded, roads destroyed and communications disrupted in Zimbabwe and Mozambique.

Hence, the chosen option is correct.

Question 18 :

Select the most appropriate word to fill in the blank. Scientists at Cambridge University are _____ how plants can give us sustainable energy.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. investigating
2. inspecting
3. scrutinizing
4. looking

Solution :

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

The sentence implies that the scientists at Cambridge University are carrying out research to find how plants can give us sustainable energy.



'Investigating' meaning 'carry out research or study into (a subject or problem, typically one in a scientific or academic field)' perfectly fits in the blank.

Scientists at Cambridge University are investigating how plants can give us sustainable energy.

Meaning of the words in other options:

- **Inspecting** means to look at (someone or something) closely, typically to assess their condition or to discover any shortcomings.
- **Scrutinizing** means to examine or inspect closely and thoroughly.
- **Looking** means to direct one's gaze in a specified direction.

Hence, option 1 is correct.

Question 19 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. The elephant tusks were tracked from the Democratic Republic of Congo for two months. B. Customs officials in Thailand say it's the biggest seizure in the country's history. C. Four tonnes of ivory, with a market value of \$6 million - it was an impressive haul. D. Officials say they were being transported to Laos, from where they believed the ivory would be sold to customers across Asia.

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. ABCD
2. CABD
3. ACDB
4. CBAD

Solution :

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

Explanation:

The first statement is C i.e. '**Four tonnes of ivory, with a market value of \$6 million - it was an impressive haul.**' It gives the topic which is being talked about in the following statements i.e. '**ivory**'.

Sentence C should be the first sentence as it introduces the theme of the passage i.e. '**seizing of four tonnes of ivory**'.

The next sentence should be B as it further elaborates the seizure that is mentioned in **sentence C.**

AD is the mandatory pair because sentence **A** tells about the tracking of elephant tusks and **sentence D** further throws



light on its transportation.

So, the order of arrangement is **CBAD**.

Hence, the chosen option is correct.

Question 20 :

Select the most appropriate word to fill in the blank. The State Government argued that it could not _____ the increase in the teachers' salaries as awarded by the court.

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. afford
2. get
3. stand
4. spare

Solution :

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

The sentence implies that the State Government could not bear the increase in the teachers' salaries as awarded by the court.

'**Afford**' means to '**have enough money to pay for, have (a resource such as money or time) available or to spare perfectly fits in the blank**.'

The State Government argued that it could not afford the increase in the teachers' salaries as awarded by the court.

'**Afford**' is the correct word as the sentence states that the government did not have enough resources to spare so as to increase the teachers' salaries.

Hence, option 1 is correct.

Question 21 :

Select the ANTONYM of the given word. ESCALATE

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Reduce



Raise

3. Enlarge

4. Heighten

Solution :

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

Escalate means increase rapidly.

Reduce means make smaller or less in amount, degree, or size.

- **Synonyms:** expand, grow, heighten, intensify, mount.
- **Antonyms:** reduce, slow, slump, stop, abridge.

Meaning of other words:

- **Raise** means lift or move to a higher position or level.
- **Enlarge** means make or become larger or more extensive.
- **Heighten** means make or become more intense.

Hence, the chosen option is correct.

Question 22 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. That sort of pollution, which is also widespread in other southeast Asian nations, regularly kills wildlife like whales and turtles that ingest the waste. B. Environmental groups have tagged the Philippines as one of the world's biggest ocean polluters due to its reliance on single-use plastic. C. In Thailand also, a whale died last year after swallowing more than 80 plastic bags. D. In the latest case, a whale with 40 kilos of plastic trash in its stomach died on Saturday in the southern Philippines where it was stranded a day earlier.

Difficulty : Moderate

Average Time : 92 Seconds

Options :

1. BCAD
2. ABCD
3. BADC
4. DABC

Solution :

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



The **first sentence** always introduces a topic and is independent in its meaning.

The **first statement should be B** i.e. 'Environmental groups have tagged the Philippines as one of the world's biggest ocean polluters due to its reliance on single-use plastic.' It gives an introduction to what is being talked about in the following statements.

After B, it should be A i.e. 'That sort of pollution, which is also widespread in other southeast Asian nations, regularly kills wildlife like whales and turtles that ingest the waste.' In the previous statement, ocean pollution was mentioned so, **B** gives the consequences of this pollution.

After A, it should be D as it talks about a case in the Philippines and after **D**, it should be **C** as it talks about a case in Thailand and seems to be a concluding line of the paragraph.

Hence, the correct and rearranged order is BADC.

Question 23 :

Select the SYNONYM of the given word. TILT

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. Cross
2. Support
3. Slant
4. Straighten

Solution :

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

Meaning of the given word:

Tilt means move or cause to move into a sloping position.

- **Synonyms:** incline, lean, pitch, rake, ramp.
- **Antonyms:** evenness, level, increase, rise, agreement.

Meaning of the words in options:

- **Slant** means slope or lean in a particular direction; diverge or cause to diverge from the vertical or horizontal.
- **Cross** means to go or extend across or to the other side of (an area, stretch of water, etc.).
- **Support** means to bear all or part of the weight of; hold up.
- **Straighten** means make or become straight.



Hence, the chosen option is correct.

Question 24 :

Select the correct active form of the given sentence. The main gate of the building was being guarded by gun-totting guards.

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. The main gate of the building were guarding gun-totting guards.
2. Gun-totting guards were guarding the main gate of the building.
3. Gun-totting guards have been guarding the main gate of the building.
4. Gun-totting guards guarded the main gate of the building.

Solution :

The correct answer is **option 2** i.e. **Gun-totting guards were guarding the main gate of the building.**

The following rules should be considered while changing passive form to active voice:

- Identify the subject of the sentence - who is doing an action?
- Rewrite the sentence so the subject is performing the action.
 - In the given sentence, firstly, the '**main gate**' becomes the object and '**gun-totting guards**' becomes the subject. Since the passive form contains '**was being guarded**', so it means that the active form is in present continuous form.
 - So, we need to remove '**being**' and convert the verb into the present continuous form i.e. '**guarding**'.

Hence, **option 2** is correct.

Question 25 :

Select the antonym of the given word. TENDER

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. Gentle
2. Rough
3. Soft
4. Warm

**Solution :**

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

Meaning of the given word:

Tender means showing gentleness, kindness, and affection.

Synonyms: delicate, supple, breakable, dainty, frail.

Antonyms: unbreakable, callous, experienced, hard.

Meaning of the words in options:

Gentle means having or showing a mild, kind, or tender temperament or character.

Rough means not gentle; violent.

Soft means not strong or violent.

Warm means having or showing enthusiasm, affection, or kindness.

Hence, the chosen option is correct.

Question 26 :

Select the word which means the same as the group of words given. A person, animal or plant belonging originally to a place.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Alien
2. Occupant
3. Resident
4. Native

Solution :

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

Native means a person born in a specified place or associated with a place by birth, whether subsequently resident there or not.

Meaning of other words:

Alien means belonging to a foreign country.

Occupant means a person who resides or is present in a house, vehicle, seat, etc., at a given time.

Resident means a person who lives somewhere permanently or on a long-term basis.

Hence, **option 4 is correct.**

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. An Italian mayor has been cleaning the streets along with his councilors after their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Question 27 :

Select the most appropriate option for blank No (1).

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. was left
2. leaves
3. was leaving
4. has left

Solution :

The correct answer is **option 1 i.e. was left.**

- The blank requires a past perfect tense.
- The past perfect tense is used to show that something happened before another action in the past.

An Italian mayor has been cleaning the streets along with his councilors after their town (1) was left with no manual workers, it's reported.

- In the given sentence, simple past tense will be used i.e. **'was left'** because it is talking about a present situation i.e. mayor cleaning the streets which is a result of something that has already happened i.e. no manual workers left.

Hence, **the chosen option is correct.**

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. An Italian mayor has been cleaning the streets along with his councilors after

their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Question 28 :

Select the most appropriate option for blank No (2).

Difficulty : Moderate

Average Time : 97 Seconds

Options :

1. it
2. he
3. they
4. she

Solution :

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

- The first line suggests that the Italian mayor is a male. Therefore, we need a masculine pronoun to fill in the blank 2.
- In the sentence, the mayor is being talked about. So, we will use 'he'.
- 'It' is not used before persons. 'They' is plural so it cannot be used before 'was'.

Hence, the chosen option is correct.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. An Italian mayor has been cleaning the streets along with his councilors after their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Question 29 :

Select the most appropriate option for blank No (3).

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. local

next

3. neighbour

4. near

Solution :

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

- The blank requires an adjective that perfectly modifies the noun 'church'.
- 'Local' meaning 'relating or restricted to a particular area or one's neighborhood'. It is the correct filler for the given blank.
- The correct word is 'local' as it correctly defines the church present in the town.
- Also, 'local' is an adjective used to describe the church whereas 'near' and 'next' are adverbs. We need an adjective in the given blank.

Hence, option 1 is correct.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. An Italian mayor has been cleaning the streets along with his councilors after their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Question 30 :

Select the most appropriate option for blank No (4).

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. as well
2. also
3. alongside
4. along

Solution :

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

- The sentence containing the blank implies that the mayor was sweeping the piazza in cooperation with the deputy

mayor's father and a town councilor armed with a high-pressure hose.

- **Alongside** meaning 'together and in cooperation with' perfectly fits in the blank.
- In the given sentence, '**alongside**' will be used to describe the mayor sweeping next to the deputy mayor's father and a town councilor.

Hence, the chosen option is correct.

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. An Italian mayor has been cleaning the streets along with his councillors after their town (1)_____ with no manual workers, it's reported. In fact, (2)_____ was sweeping the piazza in front of the (3)_____ church in preparation for market day, (4)_____ the deputy mayor's father and a town councilor armed with a high-pressure hose. The town Zerfaliu's last (5)_____ retired six months ago and nobody has been hired since then. "We can't do anything - we are blocked by bureaucracy," the mayor says.

Question 31 :

Select the most appropriate option for blank No (5).

Difficulty : Moderate

Average Time : 90 Seconds

Options :

1. councillor
2. member
3. mayor
4. worker

Solution :

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

- The first sentence has the phrase '**no manual workers**' which implies that the last worker retired six months ago.
- The paragraph states that there were no manual workers left in the town. In the sentence, it is being mentioned that no worker was hired for the last six months.

Hence, the chosen option is correct.

Question 32 :

Select the wrongly spelt word.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

Example

2. Exemplify

3. Exhale

4. Exempt

Solution :

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

- The correct spelling of the selected option is '**Exemplify**' and it means '**be a typical example of**'.
- Rest of the words in options 1,3 and 4 are correctly spelt.

Hence, the chosen option is correct.

Question 33 :

Select the most appropriate meaning of the given idiom. Costs an arm and a leg.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Nothing to lose
2. Rarely available
3. Easy to obtain
4. Very expensive

Solution :

The correct answer is **option 4, i.e. Very expensive.**

- The idiom **Costs an arm and a leg** means something which is very expensive.
- For example, the coat had cost him an arm and a leg.

Hence, the chosen option is correct.

Question 34 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No Improvement'. If you join this job now, it proves to be good in the long run.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

it proves good

2. it will prove to be good

3. it has proved to be good

4. No Improvement

Solution :

The correct answer is **option 2** i.e. **it will prove to be good**.

- The sentence is an example of the first conditional sentence.
- The first conditional has the present simple after 'if', then the future simple in the other clause:
- if + present simple, ... will + infinitive.
- It's used to talk about things which might happen in the future.
- If you join this job now, it will prove to be good in the long run.
- In the question, the speaker is talking about what will happen in the future i.e. '**long run**' if he joins the job now. So, we will use the simple future tense i.e. '**will prove to be**'.

Hence, **option 2** is correct.

Question 35 :

Which of the following Biosphere Reserves was the first to be established by the Government of India?

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. Sundarbans Biosphere Reserve
2. Nilgiri Biosphere Reserve
3. Gulf of Mannar Biosphere Reserve
4. Nanda Devi Biosphere Reserve

Solution :

The correct answer is **option 2** i.e. **Nilgiri Biosphere Reserve**.

____biosphere reserve was first established by the Government of India.	Nilgiri Biosphere Reserve
---	----------------------------------

What is Nilgiri Biosphere Reserve?

- The Nilgiri Biosphere Reserve is an International Biosphere Reserve in the Western Ghats and Nilgiri Hills ranges of South India and includes 2 of the 10 biogeographical provinces of India.
- The Nilgiri Biosphere Reserve was the first biosphere reserve in India established in the year 1986.
- **The Nilgiri Sub-Cluster is a part of the Western Ghats, which was declared a World Heritage Site by UNESCO in 2012.**

Question 36 :

Name the first Indian budget carrier to join the International Air Transport Association (IATA).

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. Jet Airways
2. Spicejet
3. Indigo
4. GoAir

Solution :

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

Name the first Indian budget carrier to join the International Air Transport Association (IATA).	SpiceJet
What is SpiceJet?	<ul style="list-style-type: none">• SpiceJet Limited is an Indian low-cost airline headquartered in Gurgaon, India.• It is the second-largest airline in the country by the number of domestic passengers carried, with a market share of 13.6% as of March 2019.• Established as air taxi provider ModiLuft in 1994, the company was acquired by Indian entrepreneur Ajay Singh in 2004 and re-christened as SpiceJet. The airline operated its first flight in May 2005.• SpiceJet has joined global airlines' grouping IATA as a member, becoming the first Indian low-cost carrier to get the membership.
What is (IATA)?	The International Air Transport Association(IATA) represents more than 290 airlines, including Air India, Jet Airways, and Vistara.
(IATA) Head Office:	Montreal, Canada
(IATA) Chairman and Chief Executive Officer:	Mr. Carsten Spohr

Question 37 :

Who was the first-ever female secretary-general of SAARC (South Asian Association for Regional Cooperation)?

Difficulty : Moderate

Average Time : 195 Seconds

Options :

1. Madeleine Albright
2. Fathimath Dhiyana Saeed
3. Jeremiah Nyamane Kingsley
4. António Guterres

Solution :

The correct answer is **option 2** i.e. **Fathimath Dhiyana Saeed**.



The first-ever female secretary-general of SAARC	Fathimath Dhiyana Saeed
Who was Fathimath Dhiyana Saeed?	Ms Fathimath Dhiyana Saeed was the first female Secretary-General of SAARC from 2011 to 2012.
Current Secretary-General of SAARC:	Esala Ruwan Weerakoon
SAARC Secretariat:	Kathmandu, Nepal

SAARC:-

SAARC was established on 8 December 1985.

Member States of SAARC: Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka.

SAARC is a regional Asian group founded in 1985 which has 7 members.

Question 38 :

How many great powers (Mahajanpadas) existed in the 7th and the early 6th centuries BC, during the lifetime of Lord Gautam Buddha?

Difficulty : Moderate

Average Time : 161 Seconds

Options :

1. 17

2. 16

3. 13

4. 11

Solution :

The correct answer is **option 2**, i.e. **16**.

How many great powers (Mahajanapada) existed in the seventh and sixth centuries BCE during the life of Lord Gautama Buddha?	16
What were Mahajanapadas?	<ul style="list-style-type: none">• During the time of 6-7th century B.C, there were a total of 16 janpads were existing throughout the country.• These were Kasi, Kosala, Anga, Magadha, Vajji, Malla, Chedi, Vatsa, Kuru, Panchala, Machcha, Surasena, Assaka, Avanti, Gandhara and Kamboja.• In the Buddhist traditions, these kingdoms came to be known as 'Mahajanapadas'.

Question 39 :

_____ is a group folk dance of Sikkim performed in honour of Mount Khangchendzonga, the guardian deity of the Sikkimese people.



Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Zo-Mal-Lok
2. Chu-Faat
3. Tendong Lo Rum Faat
4. Kinchum-Chu-Bomsa

Solution :

The correct answer is **option 2** i.e. **Chu-Faat**.

- Chu-Faat is a community dance performed in **Sikkim**.
- The meaning of Chu is the Snowy Range and that of Faat is Worship.
- The dance is performed in honour of **Mt. Kanchanjanga**, the guardian deity of the Sikkim people.
- The dancers carrying butter lamps and bamboo leaves perform a ritualistic dance in the community.

Question 40 :

Which of the following Public Sector Undertakings was accorded the Maharatna status in February 2013?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. BHEL
2. OIL
3. CIL
4. ONGC

Solution :

The correct answer is option 1, i.e. **BHEL**.

____ Public Sector Undertakings was accorded the Maharatna status in February 2013.	BHEL
---	-------------

<p>BHEL got Maharatna status in February 2013:-</p>	<ul style="list-style-type: none"> • The government in 2013 has granted Maharatna status to Bharat Heavy Electricals Ltd (BHEL) and Gas Authority of India Ltd (GAIL). • One of the eligibility criteria to be given the coveted status is that the company should have an average annual turnover over Rs 25,000 crore during the last three years.
<p>What is BHEL?</p>	<p>Bharat Heavy Electricals Limited (BHEL) owned and founded by the Government of India, is an engineering and manufacturing company based in New Delhi, India. Established in 1964, BHEL is India's largest power generation equipment manufacturer.</p>

Question 41 :

Which of the following states passed the Maintenance of Household Registers Bill in March 2019?

Difficulty : Moderate

Average Time : 137 Seconds

Options :

1. Mizoram
2. Odisha
3. Assam
4. West Bengal

Solution :

The correct answer is option 1, i.e. **Mizoram**.

<p>The states that has passed the Maintenance of Household Registers Bill in March 2019 is _____</p>	<p>Mizoram</p>
--	-----------------------

What is Mizoram Maintenance of Household Register Bill, 2019?	<ul style="list-style-type: none">• Mizoram assembly unanimously passed Mizoram Maintenance of Household Register Bill, 2019.• It aims to create registers containing the names, details and photographs of every resident of the state, on a household basis, in an effort to detect illegal foreigners staying and “eating away” benefits of development schemes.
---	--

Question 42 :

_____ is the traditional musical instrument of the Limboo community of Sikkim.

Difficulty : Moderate**Average Time : 107 Seconds****Options :**

1. Naumati
2. Chyap-Brung
3. Chutkay
4. Jeurum Silly

Solution :

The correct answer is **option 2** i.e. **Chyap-Brung**.

_____ is the traditional musical instrument of the Limboo community of Sikkim.	Chyap-Brung
What is Chyap-Brung?	Chyap-Brung is Dholak-like in shape but much bigger in size than traditional musical instruments of the Limboo community.

Note	<ul style="list-style-type: none">• Limbus has many folk musical instruments and used in their own life cycle rituals, occasions, like -“Ke” or “Chyabrung”, “Negra”, “Penjekom”, “Murchunga”, “Chethya”, “Miklakom”, “Binayo” etc.• Today their traditional music and musical instruments have been on the verge of extinction from our society.
------	--

Question 43 :

Name the state Chandragupta-I got in dowry from the Lichhavis.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Pataliputra
2. Saketa
3. Ujjain
4. Prayaga

Solution :

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

The state which Chandragupta I had got in the dowry from Lichhavis is _____	Pataliputra
---	-------------



- Chandragupta-I got Pataliputra in dowry from the Lichhavis.
- He married Kumaradevi, a princess of the Lichhavis family.
- The Gupta Lichchhavi relation was even publicised through a particular type of gold coins “which had the names and figures of Chandragupta I and his Lichchhavi wife on the obverse and the figure of a goddess seated on a lion along with the legend Lichchhavayah on the reverse”.
- The Gupta era is considered to be founded by Chandragupta I. It starts with his accession in 320 A.D.
- At the confluence of the Son river with the Ganges, the city of Pataliputra was situated.
- In the ancient period, Pataliputra had remained the capital for the Mauryas, Sungas, Guptas and other kingdoms.



Question 44 :

Name the pass in Uttarakhand which is used by pilgrims to Kailash-Mansarovar Yatra.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. Khardung La
2. Pensi La
3. Banihal Pass
4. Lipu Lekh

Solution :

The correct answer is **option 4**, i.e. **Lipu Lekh**.

Name the pass in Uttarakhand which is used by pilgrims to Kailash-Mansarovar Yatra.	Lipu Lekh
---	-----------



What is Lipu Lekh pass?

- Lipulekh pass is used for the pilgrimage of Kailash Mansarovar.
- Lipulekh is a Himalayan pass on the border between Uttarakhand, India and Tibet, China. The southern side of the pass is controlled by India but claimed by Nepal.
- It is near their tripoint with the Chinese trading town of Taklakot in Tibet.
- Lipulekh Pass also known as Lipu-Lekh Pass/Qiangla or Tri-Corner is a high altitude mountain pass situated in the western Himalayas with an extraordinary height of 5,334 metres or 17,500 feet.
- It is an International mountain pass between India, China and Nepal.

Question 45 :

Buckminsterfullerene is an allotrope of _____.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

Boron

2. Iron

3. Carbon

4. Phosphorus

Solution :

The correct answer is **Option 3** i.e **Carbon**

- Bulkminsterfullerene is an allotrope of carbon.
- It comprises of C-50, C-60 carbon atoms.
- It contains pentagonal and hexagonal carbon cycles arranged in a football-shaped.
- It is a radical scavenger and also has vital applications in nanotechnology.
- Fullerene, an allotrope of carbon, is rarely found in nature. It is found in soot and in interstellar space.
- The first example of fullerene is Buckminsterfullerene (C). This allotrope of carbon is named fullerene after the architect Richard Buckminster Fuller because the structure of C resembles the structure of the geodesic dome he designed.
- Harold Kroto, Robert Curl and Richard Smalley were given the Nobel prize in chemistry 1996, for the discovery of this carbon allotrope, fullerene C.

Question 46 :

Which team won the Ranji Trophy final 2017?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Mumbai

2. Punjab

3. Vidarbha

4. Delhi

Solution :

The correct answer is option 3, i.e **Vidarbha**.

Which team won the Ranji Trophy final 2017?	Vidarbha
---	-----------------

Ranji Trophy final 2017:-

- Vidarbha won the 2017 Ranji Trophy final.
- The final took place between Vidarbha and Saurashtra, starting on 3 February 2019.
- Vidarbha defeated Saurashtra by 78 runs in the final, to become the sixth team in the tournament's history to retain their title.
- Venue for the final match was Holkar Stadium, Indore, Madhya Pradesh.
- Mumbai team has won the maximum number of titles.

Question 47 :

Which of the following is an aldehyde?

Difficulty : Moderate

Average Time : 121 Seconds

Options :

1. Propanal
2. Propanol
3. Propine
4. Propanone

Solution :

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

- Propanal is an Aldehyde.
- Propionaldehyde or propanal is the organic compound with the formula CH_3CH_2CHO .
- It is the 3-carbon aldehyde.
- It is a colourless, flammable liquid with a slightly fruity odour.
- It is produced on a large scale industrially

Question 48 :

Name the National Mission on use of Biomass in coal based thermal power plants.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. DIVYA

DWAPAR

3. SAMARTH

4. VAISAKHA

Solution :

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

The Union Power Secretary chaired the second meeting of the steering committee of SAMARTH.

A) SAMARTH is a National Mission on use of Biomass in coal based thermal power plants.

B) Agro residue/biomass earlier considered as a waste product now began to produce zero carbon electricity for citizens of the country.

Question 49 :

Name the first-ever female Prime Minister in the world.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Golda Meir
2. Indira Gandhi
3. Sirimavo Bandaranaike
4. Elisabeth Domitien

Solution :

The correct answer is **option 3** i.e. **Sirimavo Bandaranaike**.

- Bandaranaike became Prime Minister on 21 July 1960.
- She was the first female Prime Minister in the world, and the first woman to be elected head of government.
- Bandaranaike was a socialist.
- She was elected Prime Minister of Sri Lanka in 1960.
- She served three terms: 1960–1965, 1970–1977 and 1994–2000.
- She became the world's first non-hereditary female head of government in modern history.

Question 50 :

In India, Project Tiger started in _____.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1992

2. 1979

3. 1982

4. 1973

Solution :

The correct answer is **option 4** i.e. **1973**

Project Tiger was launched in India in ____	1973
What is Project Tiger?	<ul style="list-style-type: none">• Project Tiger is a tiger conservation programme launched in April 1973 by the GOI during Prime Minister Indira Gandhi's tenure, and is still going on.• The project aims at ensuring a viable population of Bengal tigers in their natural habitats, protecting them from extinction, and preserving areas of biological importance as a natural heritage forever represented as close as possible the diversity of ecosystems across the distribution of tigers in the country.• During the tiger census of 2006, a new methodology was used extrapolating site-specific densities of tigers, their co-predators and prey derived from camera trap and sign surveys using GIS.• The government has set up a Tiger Protection Force to combat poachers and funded relocation of villagers to minimize human-tiger conflicts.

Question 51 :

Which of the following Articles of the Constitution of India deals with the Uniform Civil Code?

Difficulty : Moderate

Average Time : 131 Seconds

Options :

Article 43

2. Article 45

3. Article 44

4. Article 46

Solution :

The correct answer is **option 3** i.e **Article 44**

Articles of the Constitution of India which deals with the Uniform Civil Code is?	Article 44
What is Article 44?	<ul style="list-style-type: none">• Article 44 is included in Part 4 of the Indian Constitution. It provides for Uniform Civil Code.• It is mentioned under Directive Principles of state policy. It is not justiciable.• Article 44 says that 'The State shall endeavour to secure for the citizens a uniform civil code throughout the territory of India.'

Question 52 :

If x is subtracted from each of 23, 39, 32 and 56, the numbers so obtained, in this order, are in proportion. What is the mean proportional between $(x + 4)$ and $(3x + 1)$?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 15
2. 14
3. 12
4. 10

Solution :

Correct Answer is **option 3** i.e. **12**.

Concept	Understanding	Application
Mean proportion of a & b = ab	Suppose 'x' is subtracted from each of 23, 39, 32 and 56.	Then, $(23 - x)/(39 - x) = (32 - x)/(56 - x)$ $23 \times 56 - 79x + x^2 = 39 \times 32 - 71x + x^2$ $8x = 23 \times 56 - 39 \times 32$ $x = 23 \times 7 - 39 \times 4$ $x = 161 - 156$ $x = 5$ Hence, mean proportion of (4 + x) i.e. 9 and (3x + 1) i.e. 16 = (9 × 16) = 12

Question 53 :

Which of the following is NOT one of the monarchical states that existed in the 7th and early 6th centuries BC in India?

Difficulty : Moderate

Average Time : 183 Seconds

Options :

1. Kosala

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Avanti

3. Vaishali

4. Magadha

Solution :

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

____ was not among the 16 janpadas present during 7th century B.C.	Vaishali
What were 16 janpadas during the time of 6-7th century B.C.?	<ul style="list-style-type: none">• Vaishali was not among the 16 janpadas present during 7th century B.C.• During the time of 6-7th century B.C there were total 16 janpads were existing throughout the country.• Vaishali was the capital of Vrijji, which was a republic state.• Monarchical states: Magadha, Kashi, Kosala, Vatsa, Chedi, Matsya, Shurasen, Avanti and Gandhara.• Non-monarchical states/ Republic state: Malla, Vrijji, Kamboj, and Kuru.



The ancient and modern names of the 16 mahajanapadas :

1. Kashi (Benaras),
2. Kosal (Lucknow),
3. Malla (Gorakhpur),
4. Vatsa (Allahabad),
5. Chedi (Kanpur),
6. Kuru (Delhi),
7. Panchal (Rohilkhand),
8. Matsya (Jaipur),
9. Shurasen (Mathura),
10. Ashmak (Aurangabad, Maharashtra),
11. Avanti (Ujjain),
12. Ang (Champa East Bihar),
13. Magadha (South Bihar),
14. Vriji (North Bihar),
15. Gandhara (Peshawar),
16. Kamboj (Near Gandhara)

Question 54 :

The idea of residual powers in the Indian constitution has been taken from the constitution of _____.

Difficulty : Moderate

Average Time : 123 Seconds

Options :

1. South Africa
2. Japan
3. USA
4. Canada

Solution :

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

- The idea of residual powers in the Indian constitution has been taken from **the constitution of Canada**.

Question 55 :

Select the set in which the numbers are related in the same way as are the numbers of the following set. (7, 13, 21)

Difficulty : Moderate

Average Time : 40 Seconds

Options :



(2, 8, 16)

2. (9, 16, 25)

3. (17, 22, 30)

4. (12, 18, 25)

Solution :

The correct answer is **option 1** i.e. **(2, 8, 16)**

Understanding	Application
Pattern: 1st number + 6 = 2nd number 2nd number + 8 = 3rd number (7, 13, 21) $7 + 6 = 13$ $13 + 8 = 21$	Similarly, for (2, 8, 16) $2 + 6 = 8$ $8 + 8 = 16$ Hence, (2, 8, 16) is the correct answer.

Question 56 :

If the 8-digit number 789x531y is divisible by 72, then the value of $(5x - 3y)$ is:

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 2

2. 1

3. -1

4. 0

Solution :

Correct Answer is **option 3** i.e. **-1**

Concept	Understanding	Application
If a number is divisible by 72 it must be divisible by 8 and 9	$789x531y$ is divisible by 72.	<p>Last 3 digits $31y$ must be divisible by 8:</p> <p>Then the possible value of y is 2</p> <p>For divisibility by 9:</p> <p>$7+8+9+x+5+3+1+2$ must be divisible by 9</p> <p>$35 + x$ must be divisible by 9</p> <p>Possible value of x is 1</p>
		<p>Hence,</p> <p>$(5x - 3y) = 5 - 6 = -1$</p>

Question 57 :

Name the gland that controls the functioning of other endocrine glands.

Difficulty : Moderate

Average Time : 171 Seconds

Options :

1. Pancreas
2. Rineal gland
3. Adrenal gland
4. Pituitary gland

Solution :

The correct answer is **option 4**, i.e. **Pituitary gland**.

Pituitary gland:-

- The pituitary gland is also known as the Master gland because it controls the functioning of other glands.
- The pituitary gland is about the size of a pea and is situated in a bony hollow, just behind the bridge of your nose.
- It is attached to the base of your brain by a thin stalk.

The pituitary gland controls the functioning of other endocrine glands.

- Control and coordination in our body are also brought about with the help of certain chemical substances called hormones. Hormones are secreted by endocrine glands.
- The pituitary gland stimulates the adrenal gland and the growth of bones.

Question 58 :

Who was the founder of the Chalukya dynasty ?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Mangalesa
2. Pulakesin I
3. Narasimhavarman
4. Kirtivarman

Solution :

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

The founder of the Chalukya dynasty was ____	Pulakesin I
--	-------------

Who was Pulakesin I?

- Pulakesin I was the founder of the Chalukya dynasty.
- He established a small kingdom with Badami as its capital.
- He is regarded as the real founder of the Chalukya Dynasty because of his well-established kingdom over a large portion of the Deccan.
- He consolidated his power over the territories around modern Bijapur and ruled his kingdom from 535 to 566 A.D. from the hill fort of Vatapi, as a successful ruler.
- The Chalukya dynasty was established by Pulakeshin I in 543.
- According to the Aihole inscription, he was the “bridegroom of the damsel, viz., the city of Vatapi, the capital of the Chalukyas”.
- Records describe him as well versed in Manusmriti and the epics, Ramayana and Mahabharata. His chief queen was Durlabhamahadevi.

Question 59 :



Which of the following is the first working prototype of Internet?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. APNET
2. PANET
3. ANET
4. ARPANET

Solution :

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

ARPANET is the first working prototype of Internet.

Question 60 :

The value of $5 \div 5$ of $5 \times 2 + 2 \div 2$ of $2 \times 5 - (5 - 2) \div 6 \times 2$ is:

Difficulty : Moderate

Average Time : 34 Seconds

Options :

1. 19/10
2. 23/2
3. 9/5
4. 19

Solution :

Correct Answer is **option 1** i.e. **19/10**

Application

$$5 \div 5 \text{ of } 5 \times 2 + 2 \div 2 \text{ of } 2 \times 5 - (5 - 2) \div 6 \times 2$$

$$5 \div 25 \times 2 + 2 \div 4 \times 5 - 3 \div 6 \times 2$$

$$1/5 \times 2 + 1/2 \times 5 - 1/2 \times 2$$

$$2/5 + 5/2 - 1$$

$$(4 + 25 - 10)/10$$

$$19/10$$

Question 61 :

Which of the following has a strong fruity fragrance?

Difficulty : Moderate

Average Time : 102 Seconds

Options :

1. Ethyl acetate
2. Methanoic acid
3. Methyl chloride
4. Methanol

Solution :

The correct answer is **option 1**, i.e. **Ethyl Acetate**.

_____ has a strong fruity fragrance.	Ethyl Acetate
--------------------------------------	---------------

What is
Ethyl
Acetate?

- Ethyl acetate is the organic compound with the formula $\text{CH}_3-\text{COO}-\text{CH}_2-\text{CH}_3$, simplified to $\text{C}_4\text{H}_8\text{O}_2$, has a strong fruity fragrance.
- This colourless liquid has a characteristic sweet smell and is used in glues, nail polish removers, decaffeinating tea and coffee.

Question 62 :

Which panel set up by the Government of India suggested total decontrol of the sugar industry?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. RamSevak Panel
2. Sri Krishna Panel
3. Rangarajan Panel
4. RadheShyam Panel

Solution :

The correct answer is **option 3**, i.e. **Rangrajan Panel**.

Rangarajan Panel was set up by the Government of India suggested total decontrol of the sugar industry.

Question 63 :

In March 2019, social media platforms and the Internet and Mobile Association of India (IAMAI) presented a _____ for the General Election 2019 to the Election Commission of India.

Difficulty : Moderate

Average Time : 42 Seconds



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Options :

1. Detailed To Do List
2. Voluntary Code of Ethics
3. Centre of Voting List
4. Precautionary Code

Solution :

The correct answer is **option 2**, i.e. **Voluntary Code of Ethics**.

In March 2019, Social Media Platforms and Internet and Mobile Association of India (IAMI) introduced _____	Voluntary Code of Ethics
	Social media intermediary members of the 'Internet and Mobile Association of India' (IAMI) have adopted a 'Voluntary Code of Ethics for the General Elections 2019 ("Code")'.

What is the Voluntary Code of Ethics?

- “Under the Code, participants have voluntarily undertaken to establish a high-priority communication channel with the nodal officers designated by the ECI.
- IAMA will act as the liaison between the participants and the ECI. Collectively, IAMA and the members participants of the ‘Code of Ethics’ remain committed to ensuring the free, fair and ethical electoral process.

Question 64 :

If $16x^2 + 9y^2 + 4z^2 = 24(x - y + z) - 61$, then the value of $(xy + 2z)$ is:

Difficulty : Moderate

Average Time : 79 Seconds

Options :

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

Solution :

Correct Answer is **option 1** i.e. 5

Application

$$16x^2 + 9y^2 + 4z^2 = 24(x - y + z) - 61$$

$$(4x)^2 + (3y)^2 + (2z)^2 = 24x - 24y + 24z - 61$$

$$(4x)^2 - 24x + 9 + (3y)^2 + 24y + 16 + (2z)^2 - 24z + 36 = 0$$

$$(4x - 3)^2 + (3y + 4)^2 + (2z - 6)^2 = 0$$

Hence, $x = 3/4$, $y = -4/3$ and $z = 3$

Now,

$$(xy + 2z) = 3/4 \times -4/3 + 2 \times 3$$

$$-1 + 6 = 5$$

Question 65 :

If $x + y + z = 19$, $xy + yz + zx = 114$, then the value of $(x^3 + y^3 + z^3 - 3xyz)$ is:

Difficulty : Moderate

Average Time : 227 Seconds

Options :

1. 21
2. 13
3. 17
4. 19

Solution :

Correct Answer is **option 4** i.e. **19**

Concept	Understanding	Application
---------	---------------	-------------

<p>Formula:</p> $a^3 + b^3 + c^3 - 3abc = (a + b + c) [(a + b + c)^2 - 3(ab + bc + ca)]$	<p>Given</p> $x + y + z = 19,$ $xy + yz + zx = 114$	<p>Applying the formula:</p> $x^3 + y^3 + z^3 - 3xyz = 19 \times [19^2 - 3 \times 114]$ $= 19 \times [361 - 342]$ $= 19 \times 19$ <p>Hence,</p> $(x^3 + y^3 + z^3 - 3xyz) = 19$
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Question 66 :

ABC is similar to DEF. The area of ABC is 100 cm² and the area of DEF is 49 cm². If the altitude of ABC = 5 cm, then the corresponding altitude of DEF is:

Difficulty : Moderate

Average Time : 239 Seconds

Options :

1. 4.5 cm
2. 7 cm
3. 3.5 cm
4. 6 cm

Solution :

Correct Answer is **option 4** i.e. **3.5 cm**

Concept	Understanding	Application
<p>If 2 triangles A and B are similar:</p> $\frac{\text{Area of triangle A}}{\text{Area of triangle B}} = \left(\frac{\text{altitude of A}}{\text{altitude of B}}\right)^2$	<p>ABC is similar to DEF</p> <p>Area of $\triangle ABC = 100 \text{ cm}^2$</p> <p>Area of $\triangle DEF = 49 \text{ cm}^2$</p> <p>ABC's altitude = 5 cm</p> <p>Suppose altitude of DEF = p</p>	<p>Hence,</p> $100/49 = 5^2/p^2$ $p = 5 \times 7/10$ $p = 3.5 \text{ cm}$

Question 67 :

A takes 30 minutes more than B to cover a distance of 15 km at a certain speed. But if A doubles his speed, he takes one hour less than B to cover the same distance. What is the speed (in km/h) of B?

Difficulty : Moderate

Average Time : 200 Seconds

Options :

1. 5

2. 6.5

3. 6

4. 5.5

Solution :

Correct Answer is **option 3** i.e. 6

Understanding	Application
Let A's speed = a km/h, B's speed = b km/h	According to question: $15(1/a - 1/b) = 30/60$ $1/a - 1/b = 1/30 \dots\dots\dots(1)$ And $15(1/b - 1/2a) = 1$ $1/b - 1/2a = 1/15 \dots\dots\dots(2)$ Adding both equations: $1/2a = 3/30 = 1/10$ $a = 5$ Then, $b = 6$ Hence, speed of B = 6 km/hr

Question 68 :

The compound interest on a certain sum in 2 years 6 month at 10% p.a., interest compounded yearly, is Rs. 1,623. The

sum is:

Difficulty : Moderate

Average Time : 156 Seconds

Options :

1. Rs.7,200
2. Rs.5,000
3. Rs.6,500
4. Rs.6,000

Solution :

The correct answer is **option 4** i.e. **Rs. 6000**

Concept	Understanding	Application
Cumulative rate of interest of $x\%$ and $y\% = x + y + (xy)/100$	$r = 10\%$ $CI = Rs. 1623$ Time = 2.5 years Sum = P We need to calculate the cumulative rate of interest for 2.5 years when the rate is 10% per annum.	Cumulative rate for 2 years = $10 + 10 + 100/100 = 21\%$ Since there is half year more, rate will be half i.e. 5%. Cumulative rate for 2.5 years = $21 + 5 + (21 \times 5)/100 = 26 + 1.05 = 27.05\%$ Now, $P \times 27.05/100 = 1623$ $P = 162300/27.05$ $P = 6000$

Question 69 :

If $\cos \theta = \frac{2p}{1 + p^2}$, then $\tan \theta$ is equal to:

Difficulty : Moderate

Average Time : 103 Seconds

Options :

1. $\frac{2p}{1 - p^2}$

$$p^2/(1 + p^2)$$

3. $(1 - p^2)/2p$

4. $(1 - p^2)/(1 + p^2)$

Solution :

Correct Answer is **option 3** i.e. $(1-p^2)/2p$

Concept	Understanding	Application
$\tan x =$ perpendicular/base $\cos x =$ base/ hypotenuses Pythagoras theorem $\text{Base}^2 = \text{Hypotenuses}^2 - \text{Perpendicular}^2$	Given $\cos = 2p/(1+p^2)$ By comparing base = 2p Hypotenuses = $(p^2 + 1)$	$\text{Perpendicular}^2 =$ $\text{Hypotenuses}^2 - \text{Base}^2$ $= (p^2+1)^2 - (2p)^2$ $= p^4 + 1 + 2p^2 - 4p^2$ $= p^4 + 1 - 2p^2$ $= (1-p^2)^2$ Perpendicular = $(1-p^2)$ Hence, Tan = $(1-p^2)/2p$

Question 70 :

The income of Raju is 20% more than his expenditure. If his income increases by 60% and his expenditure increases by 70%, then by what percent does his savings increase/decrease?

Difficulty : Moderate

Average Time : 336 Seconds

Options :

1. It decreases by 2%
2. It decreases by 10%
3. It increases by 2%
4. It increases by 10%

Solution :



Correct Answer is **option 4** i.e. **It increases by 10%**

Understanding	Application
Let Raju's expenditure = Rs. 100 Then, His income = Rs. 120 Saving = Rs. 20	New income = $120 \times 1.6 = \text{Rs. } 192$ New expenditure = 170 New saving = $192 - 170 = \text{Rs. } 22$ % increase in saving = $[(22 - 20)/20] \times 100 = 10\%$

Question 71 :

If $0^\circ < \theta < 90^\circ$ and $\cos 2\theta = 3(\cot 2\theta - \cos 2\theta)$ then the value of $(\frac{1}{2} \times \sec \theta + \sin \theta)^{-1}$ is:

Difficulty : Moderate

Average Time : 124 Seconds

Options :

1. $3 + 2$
2. $2(2 - 3)$
3. $3 + 1$
4. $2(3 - 1)$

Solution :

Correct Answer is **option 2** i.e. **$2(2 - 3)$**

Concept	Understanding	Application
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<p>$\cot^2 = \cos/\sin$ or $\cos \times \operatorname{cosec}$</p> <p>$\operatorname{cosec}^2 - 1 = \cot^2$</p>	<p>Given</p> <p>$\cos^2 = 3(\cot^2 - \cos^2)$</p> <p>Where $0^\circ < \theta < 90^\circ$</p>	<p>$\cos^2 = 3(\cot^2 - \cos^2)$</p> <p>$\cos^2 = 3\cos^2(\operatorname{cosec}^2 - 1)$</p> <p>$1 = 3\cot^2$</p> <p>$\cot = 1/3$</p> <p>$= 60^\circ$</p> <p>Now,</p> <p>$(1/2 \times \sec + \sin)^{-1}$</p> <p>Put $\theta = 60^\circ$</p> <p>$(1/2 \times \sec 60 + \sin 60)^{-1}$</p> <p>$(1/2 \times 2 + 3/2)^{-1}$</p> <p>$[(2 + 3)/2]^{-1}$</p> <p>$2/(2 + 3)$</p> <p>$[2/(2 + 3)] \times [(2 - 3)/(2 - 3)]$</p> <p>$2(2 - 3)$</p>
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Question 72 :

In $\triangle ABC$, $AD \perp BC$ and $BE \perp AC$. AD and BE intersect each other at F . If $BF = AC$, then the measure of $\angle ABC$ is:

Difficulty : Moderate

Average Time : 394 Seconds

Options :

1. 50°
2. 60°
3. 45°
4. 70°

Solution :

Correct Answer is **option 3** i.e. 45°

Concept	Understanding	Application
AA property: If 2 angles of 2 triangles are equal, they must be similar triangles.	<p>Given</p> <p>$AD = BC$ and $BE = AC$</p> <p>$BF = AC$</p>	<p>Here $\angle AEF \sim \angle BDF$ (By AA)</p> <p>So, $DBF = EAF$</p> <p>Now,</p> <p>$DBF = CAD$ and $BDF = ADC$</p> <p>Hence, $\angle BDF \sim \angle ADC$ (By AA)</p> <p>$BD/AD = DF/DC = BF/AC$</p> <p>Since, $BF = AC$</p> <p>$BD = AD$ and $DF = DC$</p> <p>Hence, $\angle ABD = \angle BAD = 45^\circ$</p>

Question 73 :

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

Difficulty : Moderate

Average Time : 298 Seconds

Options :

1. 26
2. 19
3. 16
4. 13

Solution :

Correct Answer is **option 3** i.e. **16**

Concept	Application

Formula:

$$a^3 - b^3 = (a - b)(a^2 + b^2 + ab)$$

$$[8(x + y)^3 - 27(x - y)^3] \div (5y - x) = Ax^2 + Bxy + Cy^2$$

$$[[2(x + y)]^3 - [3(x - y)]^3] \div (5y - x) = Ax^2 + Bxy + Cy^2$$

Using the formula:

$$[2(x + y) - 3(x - y)][[2(x + y)]^2 + [3(x - y)]^2 + 2(x + y) \times 3(x - y)] \div (5y - x) = Ax^2 + Bxy + Cy^2$$

$$[5y - x][4x^2 + 8xy + 4y^2 + 6x^2 - 6y^2 + 9x^2 - 18xy + 9y^2] \div (5y - x) = Ax^2 + Bxy + Cy^2$$

$$19x^2 - 10xy + 7y^2 = Ax^2 + Bxy + Cy^2$$

Comparing the coefficients:

$$A = 19, B = -10 \text{ and } C = 7$$

Hence,

$$A + B + C = 19 - 10 + 7 = 16$$

Question 74 :

Which two signs should be interchanged in the following equation to make it correct? $18 + 6 - 6 \div 3 \times 3 = 6$

Difficulty : Moderate

Average Time : 489 Seconds

Options :

1. + and \times
2. + and \div
3. + and -
4. - and \div

Solution :

The correct answer is **option 2** i.e. + and \div

Understanding



$18 + 6 - 6 \div 3 \times 3 = 6$ is to be true.

We need to check with the options.

From option 1, by interchanging signs + and x, we get

$$18 \times 6 - 6 \div 3 + 3$$

$$= 109 - \text{LHS}$$

LHS is not equal to RHS.

From option 2, by interchanging signs + and \div , we get:

$$18 \div 6 - 6 + 3 \times 3$$

$$= 3 - 6 + 9$$

$$= 6 = \text{RHS}$$

Hence, Option 2 is correct

We don't need to check further options.

Question 75 :

How much iron sheet (in m²) will be needed to construct a rectangular tank measuring 10 m × 8 m × 6 m, if a circular opening of radius one metre is to be left at the top of the tank? (correct to one decimal place)

Difficulty : Moderate**Average Time : 69 Seconds****Options :**

1. 370.4
2. 370.8
3. 372.9
4. 371.6

Solution :

Correct Answer is **option 3** i.e. **372.9**

Concept	Understanding	Application
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Surface area of rectangular tank = $2(lb + bh + hl)$	<p>The required area of iron sheets</p> <p>= Total surface area of the tank – Area of the circular hole</p> <p>Radius of circular hole = 1 m</p>	<p>The required area of iron sheets</p> $= 2(10 \times 8 + 8 \times 6 + 10 \times 6) - r^2$ $= 2(80 + 48 + 60) - 3.14 \times 1$ $= 2 \times 188 - 3.14$ $= 376 - 3.14$ $= 372.9 \text{ cm}^2$
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Question 76 :

The average weight of a certain number of students in a class is 68.5 kg. If 4 new students having weights 72.2 kg, 70.8 kg, 70.3 kg and 66.7 kg join the class, then the average weight of all the students increases by 300 g. The number of students in the class, initially, is:

Difficulty : Moderate

Average Time : 180 Seconds

Options :

1. 16
2. 11
3. 21
4. 26

Solution :

Correct Answer is **option 1** i.e. **16**

Understanding	Application
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Let x student were there in the class initially. Then sum of the weights of x students in class = $68.5x$	According to question: $68.5x + 72.2 + 70.8 + 70.3 + 66.7 = 68.8(x + 4)$ $68.5x + 280 = 68.8x + 275.2$ $0.3x = 4.8$ $x = 16$
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Question 77 :

The ratio of the efficiencies of A, B and C is 4 : 5 : 3. Working together, they can complete that work in 25 days. A and C together will complete 35% of that work in:

Difficulty : Moderate

Average Time : 122 Seconds

Options :

1. 15 days
2. 18 days
3. 12 days
4. 10 days

Solution :

The correct answer is **option 1** i.e. **15 days**

Concept	Understanding	Application
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<p>Work efficiency</p> <p>Total work = Efficiency × Time</p>	<p>Ratio of efficiencies of A, B and C = 4 : 5 : 3</p> <p>Suppose the efficiencies are 4x, 5x and 3x</p>	<p>Working together, they can complete task in 25 days:</p> <p>Total work = $(4x + 5x + 3x) \times 25 = 300x$</p> <p>35% of the total work = $300x \times 0.35 = 105x$</p> <p>35% of the total work completed by A and C together in = $105x / (4x + 3x) = 105/7 = 15$ days</p>
--	--	--

Question 78 :

ABC is inscribed in a circle with centre O. AO is produced to meet the circle at K and AD BC. If $B = 80^\circ$ and $C = 64^\circ$, then the measure of DAK is:

Difficulty : Moderate

Average Time : 106 Seconds

Options :

1. 16°
2. 12°
3. 20°
4. 10°

Solution :

Correct Answer is **option 1** i.e. 16°

Concept	Understanding	Application
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<p>Angle subtended by a chord at centre is double the angle subtended by same chord at circumference of the circle.</p>	<p>Given AD BC, B = 80° and C = 64°</p>	<p>Join O to B and join O to C where point O is circum-centre of the triangle.</p> $BOA = 2BCA = 2 \times 64^\circ = 128^\circ$ <p>In BOA</p> $OB = OA \text{ (radius of the circle)}$ $ABO = OAB$ $ABO + OAB + BOA = 180^\circ$ $2OAB = 180^\circ - 128^\circ = 52^\circ$ $OAB = 26^\circ$ <p>In ABD</p> $ABD + BDO + DAB = 180^\circ$ $DAB = 180^\circ - 90^\circ - 80^\circ = 10^\circ$ $DAK = BAO - BAD = 26^\circ - 10^\circ = 16^\circ$
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Question 79 :

10 years ago, a father's age was 3.5 times that of his son, and 10 years from now, the father's age will be 2.25 times that of the son. What will be the sum of the ages of the father and the son at present?

Difficulty : Moderate

Average Time : 388 Seconds

Options :

1. 115 years
2. 100 years
3. 110 years
4. 120 years

Solution :

The correct answer is **option 3** i.e. **110 years**

Understanding	Application
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Suppose the present age of father is F and present age of son is S.	
According to the question:	On solving both the equations-
10 years ago:	We get,
$F - 10 = 7/2 (S - 10)$	$S = 30 \text{ \& } F = 80$
$2F - 20 = 7S - 70$	Sum of their present ages = 80
$7S - 2F = 50 \dots\dots\dots (1)$	$+ 30 = \mathbf{110 \text{ years}}$
10 years from now:	
$F + 10 = 9/4(S + 10)$	
$4F + 40 = 9S + 90$	
$4F - 9S = 50 \dots\dots\dots (2)$	

Question 80 :

The marked price of an article is Rs. 315. It is sold for Rs. 288. If there is a loss of 4%, then by what percent above the cost is the article marked?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

- 1. 5
- 2. 5.5
- 3. 8
- 4. 6.5

Solution :Correct Answer is **option 1** i.e. **5**

Concept	Understanding	Application
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$CP = SP / [(100 - \text{loss}) / 100]$	$MP = \text{Rs. } 315$ $SP = \text{Rs. } 288$ $\text{Loss} = 4\%$	Since loss is 4%: $CP = 288 / 0.96 = \text{Rs. } 300$ Hence, $\text{Markup} = [(315 - 300) / 300]$ $\times 100 = 5\%$
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Question 81 :

Renu bought an article for Rs. 1,240 and sold it at a loss of 25%. With this amount, she bought another article and sold it at a gain of 40%. Her overall percentage profit is:

Difficulty : Moderate

Average Time : 127 Seconds

Options :

1. 12
2. 6.66
3. 5
4. 15

Solution :Correct Answer is **option 3** i.e. 5

Understanding	Application
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The result will not depend upon what cost price is hence, we can assume any CP.

$$\text{SP of 1}^{\text{st}} \text{ article} = 100 \times 0.75 = 75$$

With this Rs. 75, another article is bought and then sold at 40 gain:

$$\text{SP of 2}^{\text{nd}} \text{ article} = 75 \times 1.4 = 105$$

Hence,

$$\text{Overall profit \%} = [(105 - 100)/100] \times 100 = 500/100 = 5\%$$

Suppose CP = Rs. 100

Question 82 :

If $45^\circ + 1$ is equal to:

Difficulty : Moderate**Average Time : 122 Seconds****Options :**

1. \cot^2
2. cosec^2
3. $2 \tan^2$
4. \sec^2

Solution :

The correct answer is **option 4** i.e. \sec^2

$$(1 - 2\sin^2) = (2\cos^2 - 1) = \cos 2$$

$$\text{And } 1 + \tan^2 = \sec^2$$

$$\text{Now, } [(\sin - 2\sin^3)/(2\cos^3 - \cos)]^2 + 1$$

$$(\sin/\cos)^2 [(1 - 2\sin^2)/(2\cos^2 - 1)]^2 + 1$$

$$(\tan^2)(\cos 2/\cos 2)^2 + 1$$

$$\tan^2 \times 1 + 1$$

$$1 + \tan^2$$
$$\sec^2$$

Comprehension :

Direction: The table shows the production of different types of cars (in thousands). Cars/Year 2013 2014 2015 2016 2017
A 35 40 48 50 36 B 39 45 54 60 72 C 52 25 32 54 45 D 50 42 45 46 47 E 36 46 42 48 55

Question 83 :

The ratio of the total production of cars of type C and E taken together in 2013 to the total production of cars of type D in 2014 and 2016 and type E in 2017 taken together is:

Difficulty : Moderate**Average Time : 79 Seconds****Options :**

1. 8 : 13
2. 13 : 32
3. 8 : 11
4. 5 : 8

Solution :

The correct answer is **Option 1** i.e. **8 : 13**

Total production of cars of type C and E in 2013 = $52 + 36 = 88$

Total production of cars of type D in 2014 and 2016 and type E in 2017 = $42 + 46 + 55 = 143$

Hence,

Required ratio = $88 : 143 = 8 : 13$

Comprehension :

Direction: The table shows the production of different types of cars (in thousands). Cars/Year 2013 2014 2015 2016 2017
A 35 40 48 50 36 B 39 45 54 60 72 C 52 25 32 54 45 D 50 42 45 46 47 E 36 46 42 48 55

Question 84 :

The production of cars of type A in 2015 and of type C in 2013 taken together is approximately what percent of the total production of cars of type D in five years?

Difficulty : Moderate**Average Time : 51 Seconds****Options :**



43.5

2. 40.2

3. 42.4

4. 42.8

Solution :

The correct answer is **Option 1** i.e. **43.5**

Total production of A type cars in year 2015 and C type cars in 2013 = $48 + 52 = 100$

Total production of D type cars in five years = $50 + 42 + 45 + 46 + 47 = 230$

Required Percentage = $[100/230] \times 100 = 1000/23 = 43.5\%$ (Approx.)

Comprehension :

Direction: The table shows the production of different types of cars (in thousands). Cars/Year 2013 2014 2015 2016 2017
A 35 40 48 50 36 B 39 45 54 60 72 C 52 25 32 54 45 D 50 42 45 46 47 E 36 46 42 48 55

Question 85 :

The total production of cars of type B in 2013, 2014, 2015 and 2017 taken together is what percent less than the total production of all types of cars in 2017? (Correct to one decimal place)

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 17.6

2. 18.4

3. 18.2

4. 15.8

Solution :

The correct answer is **Option 1** i.e. **17.6**

Total production of B type of cars in 2013, 2014, 2015 and 2017 = $39 + 45 + 54 + 72 = 210$

Production of all types of cars in 2017 = $36 + 72 + 45 + 47 + 55 = 255$

Required percentage = $[(255 - 210)/255] \times 100 = 900/51 = 17.6\%$ (Approx.)

Comprehension :



Direction: The table shows the production of different types of cars (in thousands). Cars/Year 2013 2014 2015 2016 2017 A
35 40 48 50 36 B 39 45 54 60 72 C 52 25 32 54 45 D 50 42 45 46 47 E 36 46 42 48 55

Question 86 :

If the data regarding the production of cars of type B is represented by a table-chart, then the angle of the sector representing the production of cars in 2016 will be:

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 72°
2. 60°
3. 96°
4. 80°

Solution :

The correct answer is **Option 4** i.e. 80°

Production of type B cars over 5 years = $39 + 45 + 54 + 60 + 72 = 270$

Production of type B cars in 2016 = 60

Required angle = $[60/270] \times 360 = 60 \times 4/3 = 80^\circ$

Question 87 :

Two circles of radii 10 cm and 8 cm intersect at the points P and Q. If PQ = 12 cm, and the distance between the centres of the circles is x cm. The value of x (correct to one decimal place) is:

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 14.8
2. 12.8
3. 13.3
4. 13.9

Solution :

Correct Answer is **option 3** i.e. **13.3**

Concept	Understanding	Application
<p>The tangent to a circle is always perpendicular to the radius.</p> <p>Use Pythagoras Theorem.</p>	<p>Given</p> <p>OP = 8 cm, O'P = 10 cm, PQ = 12 cm and PM = 6 cm</p>	<p>In POM</p> <p>By using Pythagoras Theorem</p> $(OP)^2 = (OM)^2 + (PM)^2$ $8^2 = (OM)^2 + 6^2$ $(OM)^2 = 64 - 36 = 28$ $OM = 28 \text{ cm}$ <p>In PO'M</p> <p>By using Pythagoras Theorem</p> $(O'P)^2 = (O'M)^2 + (PM)^2$ $10^2 = (O'M)^2 + 6^2$ $(O'M)^2 = 100 - 36 = 64$ $O'M = 8 \text{ cm}$ $O'O = OM + O'M = 28 + 8 = 5.3 + 8 = 13.3 \text{ cm}$

Question 88 :

P is the father of Q and the grandfather of R. R is the brother of S. S's mother, T, is married to V. T is the sister of Q. How is V related to P?

Difficulty : Moderate

Average Time : 332 Seconds

Options :

1. Son
2. Brother-in-law

Nephew

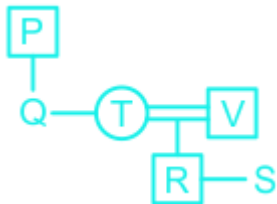
4. Son-in-law

Solution :

The correct answer is **option 4** i.e. **Son-in-law**

Understanding

As per the given data, following family tree can be drawn:



Hence, V is the son-in-law of P.

Question 89 :

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

Heat : Sun

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Ride : Car
2. Atmosphere : Humidity
3. Vitamin : Fruit
4. Home : Terrace

Solution :

The correct answer is **option 3** i.e. **Vitamin : Fruit**

Understanding

Sun is the source of heat.

Likewise, fruit is the source of vitamin.

Hence, the correct response is option 3.

Question 90 :

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

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Perseverance
2. Firmness
3. Tenacity
4. Tendency

Solution :

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

Understanding

Tendency relates to the ability of a person to do something.

While Perseverance, Firmness and Tenacity are the words related to determination.

Hence, the odd word is tendency.

Question 91 :

Select the number-pair in which two numbers are related in the same way as are two numbers of the following number-pair. 4 : 32

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 10 : 160
2. 6 : 108

8 : 248

4. 5 : 62

Solution :The correct answer is **option 2** i.e. **6 : 108**

Understanding	Application
2nd number = (1st number)/2 × (1st number) ² 4 : 32 $4/2 \times 4^2 = 2 \times 16 = 32$	Similarly for 6 : 108 $6/2 \times 6^2 = 3 \times 36 = 108$ Hence, 6 : 108 is the correct answer.

Question 92 :

Select the option that is related to the third letter - cluster in the same way as the second letter - cluster is related to the first letter - cluster. BECD : YVXW :: DGEF : ?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. WUTV
2. VRTS
3. WTVU
4. XUWV

Solution :The correct answer is **option 3** i.e. **WTVU**

Understanding	Application
BECD : YVXW Here, (B, Y), (E, V), (C, X), (D, W) are the reverse pairs.	Similarly, DGEF : WTVU

Question 93 :

In the following question two statements are given below followed by three conclusions numbered I, II and III. You have to

take the given statements to be true even if they seem to be at variance from commonly known facts. Read both the conclusions and decide which of the given conclusions logically follows from the given statements. Statements: Some cars are vehicles. No vehicle is a four-wheeler. Conclusions: I. No car is a four-wheeler. II. All four-wheelers are cars. III. Some vehicles are cars.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

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

Solution :

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

Understanding

Following venn diagram can be drawn with the help of given statements:



Conclusions:

I. No car is a four-wheeler: **False** (This is possible but not definite, as no direct relationship between the two is given).

II. All four wheelers are cars: **False** (This is possible but not definite).

III. Some vehicles are cars: **True** (As, Some cars are vehicles is already given).

Hence, **Only conclusion III follows.**

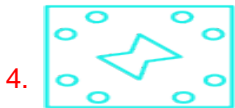
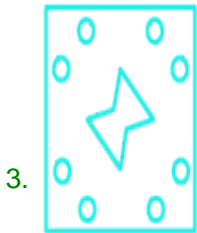
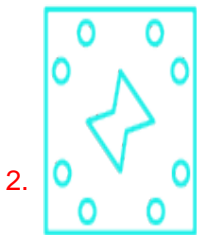
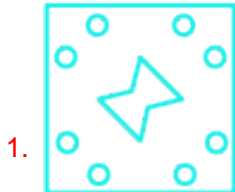
Question 94 :

Select the option in which the given figure is embedded.

Difficulty : Moderate

Average Time : 69 Seconds

Options :



Solution :

Correct Answer is **option 3**.

Understanding

The question figure is embedded in option figure 3, as shown below:



Question 95 :

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

Difficulty : Moderate

Average Time : 61 Seconds

Options :

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

Solution :

The correct answer is **option 3**

Understanding	Application
<p>1) To get the next step, the complete figure is getting rotated by 90° in an anti-clockwise direction, and then its mirror image is taken.</p> <p>2) After the mirror image is taken, the arrow on one line and the arc on another line get inverted at their respective positions.</p>	<p>Hence, the next figure will be option 3, i.e.</p>

Question 96 :

How many triangles are there in the following figure?

Difficulty : Moderate

Average Time : 80 Seconds

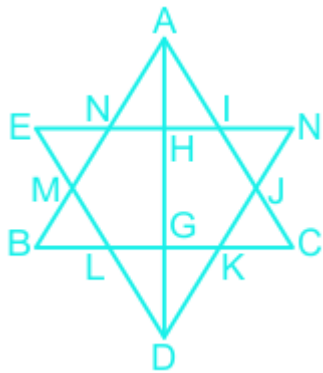
Options :

1. 18
2. 14
3. 16
4. 20

Solution :

The correct answer is **option 1** i.e. 18

Understanding



In the figure, the triangles formed are as follows- ABC, DEF, MNE, BML, KDL, CKJ, FJI, ANI, AHI, ANH, DKG, GDL, DHE, DHF, ABG, AGC, AMD, AJD.

There are total 18 triangles.

Question 97 :

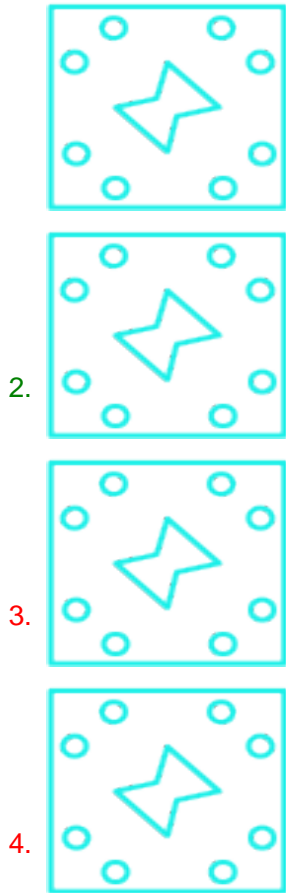
Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

- 1.

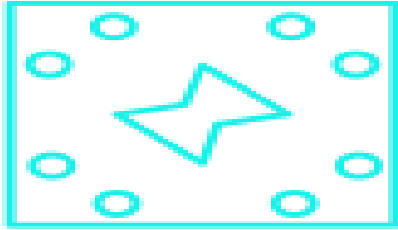


Solution :

The correct answer is **option 2**

Understanding

The mirror image of the given figure along mirror AB is shown below:



Note: Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about mirror AB.

That means the left side of the figure will become the right side and vice versa.

Hence, option 2 is correct.

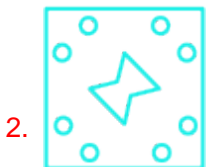
Question 98 :

Select the Venn diagram that best illustrates the relationship between the following classes. Parents, Rich Person, Farmers

Difficulty : Moderate

Average Time : 84 Seconds

Options :



3.



Solution :



The correct answer is **option 1.**

Understanding

Some parents can be farmers as well as rich persons.

Some rich persons can be farmers as well as parents.

Some farmers can be parents as well as rich persons.

Correct venn diagram is shown below:



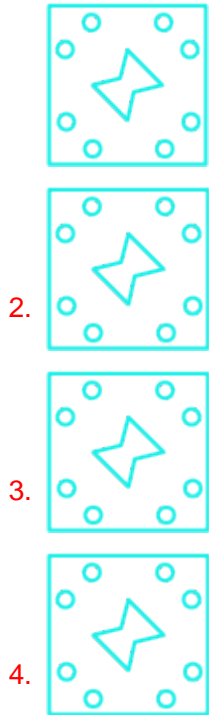
Question 99 :

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

Difficulty : Moderate

Average Time : 74 Seconds

Options :



Solution :

The correct answer is **option 1**

Understanding

After unfolding, the paper will appear as follows:



In this type of question, the order of unfolding the paper will be reverse of the order in which it was folded.

Question 100 :

Two different positions of the same dice are shown. Which number will be at the top if 6 is at the bottom?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 2

2. 4

3. 1

4. 3

Solution :

The correct answer is **Option 4** i.e. 3

Understanding	Application
Observing 1st and 2nd dice: 3 is common and four adjacent faces of 3 have: 1, 5, 2, 4 Dice 1: 3, 1, 5 Dice 2: 3, 4, 2	Hence, only remaining number '6' will be opposite to '3'

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2019-06-04 in the Afternoon exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Logical Reasoning, 25 questions were asked from English Language, 25 questions were asked from General Awareness and 25 questions were asked from Quantitative Aptitude
4. 52 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage



Logical Reasoning

1. Coding Decoding - 2
2. Analogy - 5
3. Classification - 3
4. Blood Relations - 1
5. Syllogism - 1
6. Venn Diagrams - 1
7. Dictionary Based - 1
8. Figure Based - 2
9. Configuration, Fitting Pieces, Odd Pieces - 2
10. Series - 2
11. Puzzle - 2
12. Mathematical Reasoning - 3

English Language

1. Cloze Test - 24
2. Incorrectly Spelt - 1
3. Incorrectly Spelt - 1

General Awareness

1. Environment - 1
2. GK Misc - 23
3. Current Affairs - 1

Quantitative Aptitude

1. Average - 1
2. Data Interpretation - 4
3. Time And Work - 1
4. Time Speed And Distance - 1
5. Interest - 1
6. Ratios And Proportion - 1
7. Geometry - 5
8. Trigonometry - 4
9. Mensuration - 1
10. Algebra - 3

Number System - 2

12. Profit And Loss - 1

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks



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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English Language
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Know Your Leader
Books And Authors
Daily Vocabulary
Daily Editorial
Latest Notifications
Exam Dates
Admit Card
Exam Results
Exam Cutoff
Exam Eligibility
Exam Pattern
Answer Key
Important Days



Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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