









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 Evening 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:

The following table gives the details of Five commodities A, B, C, D and E with quantity required and their costs for a family in a month. Study the table and answer the question that follow. Commodity Ouantity required/ month (in kg) Rate/kg in Rs Year 2016 Year 2019 A 15 Rs.60 Rs.80 B 20 Rs.50 Rs.60 C 12 Rs.35 Rs.40 D 40 Rs.75 Rs.85 E 8 Rs.64 Rs.72 The percentage of increase(per kg) in the rate of commodity D from 2016 to 2019 is:

Difficulty: Moderate Average Time: 59 Seconds

Options:

1. 38.24%

2. 22.17%

3. 5%

4. 13.33%

Solution:

The correct answer is **option 4** i.e **13.33%**

The rate of D in 2016 = Rs.75

The rate of D in 2019 = Rs. 85

Percentage change = {(new value - old value) / old value} x 100

Percentage change = $\{(85 - 75) / 75\} \times 100$

 $(10 / 75) \times 100$

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13.33%

Question 2:

25 litres of a mixture contains 30% of spirit and rest water. If 5 litres of water be mixed in it, the percentage of spirit in the new mixture is:

Difficulty : Moderate

Average Time: 46 Seconds

Options:

- 1. 25%
- 2. 12(1/2)%
- 3. 33(1/3)%
- 4. 45%

Solution:

The correct answer is option 1 i.e 25%

The 1L of the mixture contains 0.3L spirit

The 25L of mixture contains = $25 \times 0.3 = 7.5L$

The quantity of water in the mixture = 25 - 7.5 = 17.5L

We have added 5L of water in the given mixture, the quantity of the mixture = 17.5 + 5 = 22.5

The percentage of spirit in the mixture = $(7.5 / 30) \times 100$

25%

Question 3:

Select the SYNONYM of the given word. JUVENILE

Difficulty : Moderate Average Time : 46 Seconds

Options:

- 1. Insane
- 2. Mature
- 3. Childish
- 4. Wise

Solution:

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

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

- 1. Juvenile- a child or young person who is not yet old enough to be regarded as an adult.
- 2. Insane- crazy or mentally ill.
- 3. Mature- fully grown or fully developed.
- 4. Childish- like a child.
- 5. Wise- having the knowledge or experience to make good and sensible decisions and judgements.

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

Question 4:

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No Improvement. If he doesn't score forty percent in all the subjects, he would not be promoted to the next class.

Average Time: 69 Seconds

Difficulty: Moderate

Options:

1. will not be

2. is not being

- 3. was not being
- 4. No improvement

Solution:

The correct answer is option 1 i.e. will not be.

- The correct structure for the conditional sentence is:-
- If + subject + v1/v5 + object + other words, subject + will + v1 + object + other words.
- Only the chosen option follows this structure hence, it will improve the statement correctly.

The correct sentence will be-

If he doesn't score forty percent in all the subjects, he will not be promoted to the next class.

Question 5:

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No Improvement. No soon the Chief Minister step in than the bomb exploded.

Difficulty: Moderate Average Time: 60 Seconds

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Options:

- 1. No soon had the Chief Minister
- 2. No Improvement
- 3. No sooner did the Chief Minister
- 4. No sooner does the Chief Minister

Solution:

The correct answer is option 3 i.e. No sooner did the Chief Minister.

- 1. A sentence containing a negative adverb must be written in the form of inversion.
- 2. **Inversion** just means putting the verb before the subject.
- 3. As the second verb of the statement is in the simple past we need to keep the underlined statement in the same tense as well.
- 4. The chosen option follows the given rule hence, it will improve the statement correctly.

The correct sentence will be-

No sooner did the Chief Minister step in than the bomb exploded.

Question 6:

Select the correct indirect narration of the given sentence. She said, "We visited Uttarakhand in the summer vacation."

Difficulty: Moderate Average Time: 65 Seconds

Options:

- 1. She said that they had visited Uttarakhand in the summer vacation.
- 2. She said that we visited Uttarakhand in the summer vacation.
- 3. She said that they will visit to Uttarakhand in the summer vacation.
- 4. She said that they have visited Uttarakhand in the summer vacation.

Solution:

The correct answer is option 1 i.e. She said that they had visited Uttarakhand in the summer vacation.

- As the reported speech is in "Assertive sentence" we need to make changes according to this.
- There will be no change in the reporting verb as there is no object after it.
- The inverted comma will be changed into "ThAT".
- The tense of the reported verb will be changed into "Past Perfect Tense".

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

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Select the most appropriate word to fill in the blank. The reckless young man was _____ for the debts incurred by him.

Difficulty: Moderate Average Time: 70 Seconds

Options:

- 1. audacious
- 2. liable
- 3. reliable
- 4. suspicious

Solution:

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

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

- 1. audacious- willing to take risks or do something shocking.
- 2. liable- likely to do something.
- 3. reliable- that you can trust.
- 4. suspicious- feeling that somebody has done something wrong, dishonest or illegal.

"Liable for" makes a correct construction hence, the chosen option will suit the given blank.

The correct sentence will be-

The reckless young man was liable for the debts incurred by him.

Question 8:

Select the word which means the same as the group of words given. A person who attracts attention with a flashy style

Difficulty: Moderate Average Time: 64 Seconds

Options:

- 1. Glutton
- 2. Flamboyant
- 3. Jockey
- 4. Vagabond

Solution:

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

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

- 1. **Glutton** a person who eats too much.
- 2. Flamboyant- (used about a person) acting in a loud, confident way that attracts attention.
- 3. **Jockey-** a person who rides or drives a horse especially as a professional in a race.
- 4. Vagabond- a person who wanders from place to place without a fixed home.

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

Question 9:

Select the CORRECTLY spelt word.

Difficulty : Moderate Average Time : 59 Seconds

Options:

- 1. Agression
- 2. Temprature
- 3. Millionare
- 4. Catalogue

Solution:

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

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

- 1. **Aggression** angry feelings or behaviour that make you want to attack other people.
- 2. **Temperature** how hot or cold something is.
- 3. Millionaire- a person who has a million pounds, dollars, etc.; a very rich person.
- 4. **Catalogue** a list of things such as the goods you can buy from a particular company, the objects in a museum, or the books in a library.

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

Question 10:

Given below are four jumbled sentences. Select the option that gives their correct order. A. It provides training for the development of oral and aural skills and is a great supplement to classroom teaching. B. Technology is growing very fast day by day and is contributing a lot towards improving communication skills. C. Thus, it is the responsibility of a teacher to make the learners understand that their aim is to master the language, not the technology. D. However, it cannot be a substitute for the conventional method of language teaching.

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Difficulty: Moderate	
	Average Time: 82 Seconds

Options:

- 1. DACB
- 2. BCDA
- 3. BADC
- 4. ACBD

Solution:

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

- Statement B is independent and introduces the theme of the paragraph "Technology" hence, it will be the opening statement.
- Statement A contains the pronoun "it" that is used for the noun "Technology" hence, A will follow B.
- Statement C starts with "THUS" which shows the conclusion hence, it will come at the end of the arrangement.
- Finally, D will come before 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:-

- 1. Read the paragraph carefully and try to comprehend the idea or theme of the paragraph 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.

Comprehension:

In the following passage some words have been deleted. Fi	Il in the blanks with the help of the alternatives given. Select
the most appropriate option for each blank. Environmental p	pollution is a global problem and (1) threat to
human survival. The causes of pollution are quite (2)	, such as contamination of water, cutting of trees and
forests, emission of toxic gases etc. Due to (3)	factors, the flora and fauna are adversely affected. An
awareness to protect the environment is everybody's (4)	duty and we should collectively come forward for
this noble campaign. Government is taking strong (5)	to check the menace of pollution.

Question 11:

Select the most appropriate option to fill in blank number (1).

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Difficulty: Moderate

STUDY CONTENTS THAT GET YOU SELECTED









	Average Time: 127 Seconds
Options:	
1. the	
2. some	
3. an	
4. a	
Solution:	
The correct answer is option 4 i.e. a .	
 The statement is trying to introduce the issue hence Article "A" is used to introduce an issue for the first t 	
Hence, the chosen option will be correct.	
Comprehension :	
In the following passage some words have been deleted. F	Fill in the blanks with the help of the alternatives given. Select
the most appropriate option for each blank. Environmental	pollution is a global problem and (1) threat to
human survival. The causes of pollution are quite (2)	, such as contamination of water, cutting of trees and
forests, emission of toxic gases etc. Due to (3)	factors, the flora and fauna are adversely affected. An
awareness to protect the environment is everybody's (4)	duty and we should collectively come forward fo
this noble campaign. Government is taking strong (5)	to check the menace of pollution

Options:

1. many

Difficulty: Moderate

Question 12:

- 2. numerous
- 3. plenty
- 4. enough

Solution:

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

Select the most appropriate option to fill in blank number (2).

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Average Time: 71 Seconds



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

- 1. many- a large number of people or things.
- 2. **numerous** (Adj) existing in large numbers; many.
- 3. plenty- as much or as many of something as you need.
- 4. enough- in or to a degree or quantity that satisfies or that is sufficient or necessary for satisfaction.

"Quite" is an adverb and an adverb is followed by an adjective.

Only the chosen option is an adverb hence, it will suit the given blank.

Comprehension:

n 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. Environmental p	pollution is a global problem and (1) threat to			
human survival. The causes of pollution are quite (2)	, such as contamination of water, cutting of trees and			
forests, emission of toxic gases etc. Due to (3)	_ factors, the flora and fauna are adversely affected. An			
awareness to protect the environment is everybody's (4)	duty and we should collectively come forward for			
this noble campaign. Government is taking strong (5)	to check the menace of pollution.			
Question 13 :				

Question 13 :

Select the most appropriate option to fill in blank number (3).

Difficulty: Moderate Average Time: 90 Seconds

Options:

- 1. this
- 2. that
- 3. these
- 4. those

Solution:

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

- Generally speaking, we use this/these to refer to people and things, situations and experiences that are close to the speaker or very close in time.
- We use that/those to refer to people and things, situations and experiences that are more distant, either in time or physically.
- "These" is used for a plural and nearer noun hence, it will suit the given blank.

Hence, the chosen option will be correct.

Comprehension:

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In the following passage some words have been deleted. Fill in the most appropriate option for each blank. Environmental pollution is survival. The causes of pollution are quite (2), such a emission of toxic gases etc. Due to (3) factors, the floor protect the environment is everybody's (4) duty and campaign. Government is taking strong (5) to check	a global problem and (1) threat to human as contamination of water, cutting of trees and forests, ora and fauna are adversely affected. An awareness to we should collectively come forward for this noble
Question 14: Select the most appropriate option to fill in blank number (4).	
Difficulty : Moderate	Average Time: 83 Seconds
Options: 1. dubious	
2. pious	
3. urgent	
4. moral	
Solution :	
The correct answer is option 4 i.e. moral .	
Let's have a look at the meaning of the given options:-	
 dubious- not sure or certain. pious- having or showing a deep belief in religion. urgent- needing immediate attention. moral- concerned with or relating to what is right and wrong 	g in human behaviour.
As the safety of the environment is concerned with every human he	ence, it will be considered as the 'Moral duty".
Hence, the chosen option will be correct.	
Comprehension: In the following passage some words have been deleted. Fill in the the most appropriate option for each blank. Environmental pollution human survival. The causes of pollution are quite (2) forests, emission of toxic gases etc. Due to (3) factor awareness to protect the environment is everybody's (4) this noble campaign. Government is taking strong (5)	n is a global problem and (1) threat to , such as contamination of water, cutting of trees and rs, the flora and fauna are adversely affected. An duty and we should collectively come forward for
Question 15 :	

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Select the most appropriate option to fill in blank number (5).

Difficulty: Moderate Average Time: 87 Seconds

Options:

- 1. measures
- 2. enticements
- 3. programmes
- 4. attempts

Solution:

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

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

- 1. **measures** an action that is done for a special reason.
- 2. enticements- the act of persuading someone to do something by offering them something pleasant.
- 3. programmes- a show or other item that is sent out on the radio or television.
- 4. attempts- to try to do something that is difficult.

"Measures" means to take any action or step for a special reason and the statement needs such action hence, the chosen option will suit the given blank.

Hence, the chosen option will be correct.

Question 16:

Select the most appropriate meaning of the given idiom. To paddle one's own canoe

Difficulty : Moderate Average Time : 66 Seconds

Options:

- 1. To exercise hard
- 2. To take rest
- 3. Depend on oneself
- 4. To act in a childish way

Solution:

The correct answer is option 3 i.e. Depend on oneself.

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The meaning of the given idiom is-

To paddle one's own canoe- be independent and self-sufficient.

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

Question 17:

Select the most appropriate meaning of the given idiom. Like a dying duck in a thunderstorm

Difficulty : Moderate Average Time : 47 Seconds

Options:

- 1. Dejected
- 2. Confident
- 3. Daring
- 4. Comfortable

Solution:

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

The meaning of the given idiom is-

Like a dying duck in a thunderstorm- Having a look of dejection, resignation, or hopelessness.

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

Question 18:

Select the word which means the same as the group of words given. A person who preaches religion and is considered to be a messenger of God

Difficulty: Moderate Average Time: 47 Seconds

Options:

- 1. Volunteer
- 2. Prophet
- 3. Scholar
- 4. Atheist

Solution:

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

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

- 1. Volunteer- a person who offers or agrees to do something without being forced or paid to do it.
- 2. Prophet- (in the Christian, Jewish and Muslim religions) a person who is sent by God to teach the people and give them messages from God.
- 3. **Scholar-** a person who attends a school or studies under a teacher.
- 4. Atheist- someone who does not believe in any God or gods.

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

Question 19:

Select the SYNONYM of the given word. REPERCUSSION

Difficulty: Moderate Average Time: 63 Seconds

Options:

- 1. Rearrangement
- 2. Reaction
- 3. Recollection
- 4. Reminder

Solution:

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

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

- 1. **Repercussion** an unpleasant effect or result of something you do.
- 2. Rearrangement- the action or process of changing the position, time, or order of something.
- Reaction- something that you do or say because of something that has happened.
- 4. **Recollection** the ability to remember.
- 5. **Reminder** something that makes you remember something.

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

Question 20:

In the sentence identify the segment which contains the grammatical error. All employees of the National Sugar Factory differ from their boss on the medical and pension policy.

Difficulty: Moderate Average Time: 66 Seconds

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Options:

- 1. differ from their boss
- 2. on the medical and pension policy
- 3. All employees
- 4. of the National Sugar Factory

Solution:

The correct answer is option 1 i.e. differ from their boss.

- 1. The error lies in part 1 of the statement because of the wrong use of "Preposition".
- 2. We need to replace "From" with "With" for making the statement grammatically correct.

Grammatical Concept:-

- When we disagree on view or opinions with someone, the preposition 'with' is used.
- Thus the phrase should be 'differ with their boss'.
- The chosen option contains the **ERROR** hence, it will be the correct answer.

The correct sentence will be-

All employees of the National Sugar Factory differ with their boss on the medical and pension policy.

Question 21:

Select the ANTONYM of the given word. GROTESQUE

Difficulty: Moderate Average Time: 73 Seconds

Options:

- 1. Monstrous
- 2. Attractive
- 3. Distorted
- 4. Ugly

Solution:

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

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

1. Monstrous- that people think is shocking and unacceptable because it is morally wrong or unfair.

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Grotesque- strange or ugly in a way that is not natural.

- 3. Attractive- that pleases or interests you; that you like.
- 4. **Distorted** to change the shape or sound of something so that it seems strange or is not clear.
- 5. **Ugly** unpleasant to look at or listen to; not attractive.

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

Question 22:

Given below are four jumbled sentences. Select the option that gives their correct order. A. It was an honor as well as a relief to the family of the deceased. B. The district collector announced a gallantry award and financial aid for his family. C. A soldier died fighting in the battlefield. D. The money was promptly disbursed from the Prime Minister's Relief Fund.

Difficulty : Moderate Average Time : 79 Seconds

Options:

- 1. BACD
- 2. CBDA
- 3. BCAD
- 4. CDBA



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

- Statement C is independent and introduces the theme of the paragraph "Soldier" hence, it will be the opening statement.
- Statement B contains "Gallantry Award and Financial Aid" and the pronoun for it is being used in statement A for "Gallantry Award" hence, will come after B.
- Only the chosen option follows this arrangement hence it will be correct.
- Now we have the final arrangement i.e. CBDA.

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 idea or theme of the paragraph 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.

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Select the most appropriate word to fill in the blank. The unruly behaviour of the students _____ their teacher.

Difficulty: Moderate Average Time: 97 Seconds

Options:

- 1. irritated
- 2. pleased
- 3. comforted
- 4. calmed

Solution:

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

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

- 1. irritated- to make somebody angry; to annoy.
- 2. pleased- happy or satisfied about something.
- 3. **comforted** to try to make somebody feel less worried or unhappy.
- 4. calmed- to become or to make somebody quiet or calm.

The statement contains "unruly behaviour" hence, the chosen option will suit the given blank.

The correct sentence will be-

The unruly behaviour of the students *irritated* their teacher.

Question 24:

In the sentence identify the segment which contains the grammatical error. She behaves in a such a cordial manner that everyone admires her.

Difficulty: Moderate Average Time: 65 Seconds

Options:

- 1. that everyone
- 2. She behaves in a
- 3. admires her
- 4. such a cordial manner

Solution:

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Average Time: 73 Seconds



The correct answer is option 2 i.e. She behaves in a.

- 1. The error lies in part 2 of the statement because of the wrong use of "Article".
- 2. We need to remove "A" for making the statement grammatically correct.

Grammatical Concept:-

- The indefinite article 'a' is used twice in the sentence. In the phrase, 'She behaves in a', 'a' must be removed.
- An article is not used before adverbs like, 'such, most, rather...'
- The chosen option contains the **ERROR** hence, it will be the correct answer.

The correct sentence will be-

She behaves in such a cordial manner that everyone admires her.

Question 25:

Select the CORRECTLY spelt word.

Difficulty: Moderate

Options:

- 1. Itinarary
- 2. Greivance
- 3. Sovereignty
- 4. Rennaissance

Solution:

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

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

- 1. Itinerary- a plan of a journey, including the route and the places that you will visit.
- 2. Grievance- something that you think is unfair and that you want to complain or protest about.
- 3. **Sovereignty-** the power that a country has to control its own government.
- 4. Rennaissance- a revival of or renewed interest in something.

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

Question 26:

Select the correct passive form of the given sentence. Why do you spend so much money?

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Difficulty: Moderate

Average Time: 61 Seconds

Options:

- 1. Why is so much money being spent by you?
- 2. Why is so much money spent by you?
- 3. Why was so much money spent by you?
- 4. Why has so much money been spent by you?

Solution:

The correct answer is option 2 i.e. Why is so much money spent by you?

Active voice- Why + do + subject + v1 + object + other words?

Passive voice - Why + is/am/are + object + v3 + by + subject + other words?

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

Question 27:

Select the ANTONYM of the given word. STRINGENT

Difficulty: Moderate Average Time: 51 Seconds

Options:

- 1. Stern
- 2. Lenient
- 3. Severe
- 4. Strict

Solution:

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

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

- 1. Stern- very serious; not smiling.
- 2. **Stringent** (used about a law, rule, etc.) very strict.
- 3. Lenient- (used about a punishment or person who punishes) not as strict as expected.
- 4. **Severe-** causing somebody to suffer, be upset or have difficulties.
- 5. Strict- not allowing people to break rules or behave badly.

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

Question 28:

Select the option in which the words shares the same relationship as that shared by the given pair of words. Ear: Tinnitus

Difficulty : Moderate Average Time : 64 Seconds

Options:

1. Skin: Acne

2. Eye: Ophthalmologist

3. Nose: Nerve

4. Joints: Muscles

Solution:

The correct answer is option 1 i.e Skin: Acne.

Understanding	Application
	Similarly,
Tinnitus affects the ear.	Acne affects the Skin. Hence, option 1 is the correct answer.

Question 29:

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: 51 Seconds

Options:

1. KPT

2. UFW

3. BYD

4. CXE

Solution:

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The correct answer is option 1 i.e KPT.

Understanding

The first and second letter in the letter cluster are opposite in the English alphabetical series and the third letter = first letter + 2.

KPT does not follow the pattern.

Hence, KPT is the odd one out.

Hence, option 1 is the correct answer.

Question 30:

A + B means 'A is the husband of B'; A - B means 'A is the wife of B'; A \times B means 'A is the mother of B'; A \div B means 'A is the son of B'; If, W \times R \times J - S \div V + L, then which of the following statements is NOT correct?

Difficulty: Moderate

Average Time: 66 Seconds

Options:

- 1. L is the mother-in-law of S.
- 2. L is the wife of V.
- 3. W is the maternal grandmother of J.
- 4. V is the father-in-law of J.

Solution:

The correct answer is option 1 i.e L is the mother-in-law of S.

Understanding Application

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In the diagram shown;

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



Thus considering the figure, "L is the mother-in-law of S" is not correct.

Considering all the four options the most appropriate is option 1.

Question 31:

Select the letter that will replace the question mark (?) in the following series. K, Q, V, ?, C, E, F

Difficulty: Moderate Average Time: 72 Seconds

Options:

1. Y

2. X

3. A

4. Z

Solution:

The correct answer is option 4 i.e Z.

Understanding

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Given series: K, Q, V, ?, C, E, F

The logic used here is:

K + 6 = Q

Q + 5 = V

V + 4 = Z

Z + 2 = E

E + 1 = F

The next term in the series is V + 4 = Z.

Hence, option 4 is the correct answer.

Question 32:

Select the number that can replace the question mark (?) in the following series. 58, 73, 99, 138, 193, ?, 368

Difficulty: Moderate

Average Time: 57 Seconds

Options:

1. 312

2. 268

3. 329

4. 260

Solution:

The correct answer is **option 2** i.e **268.**

Understanding

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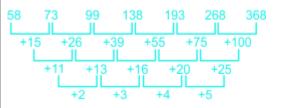






Given series: 58, 73, 99, 138, 193, ?, 368

The logic used here is:



The next term in the series is: 193 + 75 = 268.

Hence, option 2 is the correct answer.

Question 33:

Select the option that is related to be the third number in the same way as the second number is related to the first number. 8:576::4:?

Difficulty: Moderate

Average Time: 55 Seconds

Options:

1. 70

2.90

3. 120

4. 80

Solution:

The correct answer is option 4 i.e 80.

Understanding	Application
The legic used	Similarly,
The logic used here is:	4:?
8:576	$4^2 \times (4+1) = 80$
$8^2 \times (8+1) = 576$	Hence, option 4 is the correct answer.

Question 34:

Which of the following Venn diagrams best represents the relationship between the following classes? Spices, Cumin

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Seeds, Food

Difficulty: Moderate Average Time: 51 Seconds

Options:











Solution:

The correct answer is option 3

Understanding

The possible Venn diagram is:

Cumin seeds are spices and spices comes under food

Hence, the diagram given below shows the best relationship between them:



Question 35:

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

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Difficulty: Moderate

Average Time: 73 Seconds

Options:











Solution:

The correct answer is option 1

Understanding

The mirror image of the question figure is shown below:



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

Question 36:

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Which two numbers should be interchanged to make the given equation correct? $28 + 49 - 35 \div 7 \times 4 = 68$

Difficulty: Moderate Average Time: 74 Seconds

Options:

- 1. 4 and 28
- 2. 28 and 49
- 3. 28 and 35
- 4. 49 and 35

Solution:

The correct answer is option 3 i.e 28 and 35

Understanding

Given equation: $28 + 49 - 35 \div 7 \times 4 = 68$

Check the options

Option 1: 4 and 28

After interchanging the equation becomes;

- $= 4 + 49 35 \div 7 \times 28$
- = -87 is not equal to 68.

Hence, option 1 is not the correct answer.

Option 2: 28 and 49

After interchanging the equation becomes;

- $= 49 + 28 35 \div 7 \times 4$
- = 57 is not equal to 68.

Hence, option 2 is not the correct answer.

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Understanding

Option 3: 28 and 35

After interchanging the equation becomes;

 $= 35 + 49 - 28 \div 7 \times 4$

= 68 = 68

Hence, option 3 is the correct answer.

Option 4: 49 and 35

After interchanging the equation becomes;

 $= 28 + 35 - 49 \div 7 \times 4$

= 35 is not equal to 68.

Hence, option 4 is not the correct answer.

Question 37:

Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the one having '5'.

Difficulty: Moderate

Average Time: 92 Seconds

Options :

1. 6

2. 2

3. 3

4. 4

Solution:

The correct answer is option 4 i.e 4.

Understanding

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From the first position of the dice,

4 is not opposite to 3 and 6.

From the second position of the dice,

4 is not opposite to 1 and 2.

4 is opposite to the remaining number 5.

Hence, option 4 is the correct answer.

Question 38:

How many triangles are there in the given figure?

Difficulty : Moderate Average Time : 50 Seconds

Options:

- 1. 23
- 2. 22
- 3. 24
- 4. 20

Solution:

The correct answer is option 2 i.e 22

Understanding

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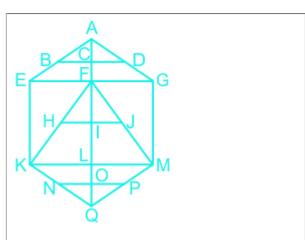












22 triangles: ABC, ACD, ABD, AEF, AFG, AEG, QON, QOP, QNP, QLK,QLM, QKM, FHI, FIJ, FHJ, FLK, FLM, FKM, EFK, FGM, FKQ, FMQ

Question 39:

Select the letter-cluster that can replace the question mark (?) in the following series. DYKM, GZIN, JAGO, MBEP,?

Difficulty : Moderate Average Time : 50 Seconds

Options:

- 1. PCDR
- 2. PCCQ
- 3. QCCQ
- 4. PDDQ

Solution:

The correct answer is option 2 i.e PCCQ.

Understanding

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Given series: DYKM, GZIN, JAGO, MBEP,?

The logic used here is:

(D + 3) = G

(Y + 1) = Z

(K - 2) = I

(M + 1) = N

Similarly,

The next term after MBEP is;

(M + 3) = P

(B + 1) = C

(E - 2) = C

(P + 1) = Q

The next term in the series is PCCQ.

Hence, option 2 is the correct answer.

Question 40:

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 from the statements. Statements: 1. All helmets are objects. 2. Some helmets are vehicles. Conclusions: I. Some objects are helmets. III. Some vehicles are objects.

Difficulty: Moderate Average Time: 79 Seconds

Options:

- 1. Only conclusions I and III follow.
- 2. Only conclusions I and II follow.
- 3. All conclusions I, II and III follow.
- 4. Only conclusions II and III follow.

Solution:

The correct answer is **option 3** i.e **All conclusions I, II and III follow.**

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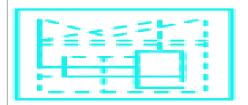






Understanding

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



Conclusions:

- I. Some objects are helmets True (As all helmets are part of objects, so some objects are definitely helmets).
- II. Some vehicles are helmets **True** (As some helmets are vehicles, so some helmets are vehicles is true).
- III. Some vehicles are objects **True** (As some vehicles are helmets and all helmets are part of object).

Hence, All conclusions I, II and III follow.

Question 41:

In a certain code language, 'BLINK' is coded as '78' and 'PURSE' is coded as '54'. How will 'FIRST' be coded as in that language?

Difficulty: Moderate Average Time: 82 Seconds

Options:

- 1. 64
- 2. 54
- 3. 76
- 4. 71

Solution:

The correct answer is option 2 i.e 54

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Understanding	Application
'BLINK' is coded as '78'	
Adding the reverse positional values of the letters (Except vowels; the actual positional values of vowels have to be written): 25 + 15 + 9 + 13 + 16 = 78	Similarly for 'FIRST':
'PURSE' is coded as '54'	21 + 9 + 9 = 8 + 7 = 54
Adding the reverse positional values of the letters (Except vowels; the actual positional values of vowels have to be written): 11 + 21 + 9 + 8 + 5 = 54	0 + 7 = 34

Question 42:

According to the India State of Forest Report 2019, how much of the total geographical area of the country is covered by forests and trees?

Difficulty: Moderate Average Time: 60 Seconds

Options:

1. 42.56%

2. 21.30%

3. 24.56%

4. 34.56%

Solution:

The correct answer is option 3 i.e. 24.56%.

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- ISFR is a biennial publication of Forest Survey of India (FSI), an organization under the Ministry of Environment Forest & Climate Change.
- The latest 'India State of Forest Report (ISFR 2019) released by the country's environment minister Prakash Javadekar on December 30, 2019, revealed that the total forest and tree cover of the country is 807,276 square kilometres (which is 24.56 per cent of the geographical area of the country) compared to 802,088 sq km (24.39 per cent) in ISFR 2017.

Question 43:

Who among the following first translated the Bhagavad Gita into English?

Difficulty: Moderate Average Time: 56 Seconds

Options:

- 1. William Jones
- 2. James Prinsep
- 3. Charles Wilkins
- 4. Sir Alexander Cunningham

Solution:

The correct answer is option 3 i.e. Charles Wilkins.

- Sir Charles Wilkins was an English typographer and Orientalist, and founding member of The Asiatic Society.
- He is notable as the first translator of the Bhagavad Gita into English.

Question 44:

The inner and outer radius of a circular track are, respectively, 29 m and 23 m. The cost of levelling the track at Rs.7/m2 is:

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Difficulty: Moderate

Average Time: 46 Seconds

Options:

- 1. Rs.5,300
- 2. Rs.7,215
- 3. Rs.3,284
- 4. Rs.6,864

Solution:

The correct answer is option 4 i.e Rs.6,864

The area of the circular track in the area of the bigger circle minus the area of the smaller circle.

Area of track = $(R^2 - r^2)$

Area of track = $(29^2 - 23^2) = (52 \times 6)$

312m²

The cost of leveling = the cost of leveling per meter square x total area

 7×312

 $7 \times 312 \times (22/7)$

Rs. 6864

Question 45:

An article was sold at a gain of 16%. If had been sold for Rs.36 more, the gain would have been 20%. The cost price of the article is:

Difficulty: Moderate

Average Time : 61 Seconds

Options :

1. Rs.862

2. Rs.810

3. Rs.900

4. Rs.720

Solution:

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The correct answer is option 3 i.e Rs.900

The difference in percentage gain is (20 - 16) = 4%

The change in price = Rs. 36

Let the cost price of the item be Rs. 'y'

(4/100)y = 36

y = Rs.900

Question 46:

If a3 + 1/a3 = 52, then the value of 2(a + 1/a) is:

Difficulty: Moderate Average Time: 41 Seconds

Options:

- 1. 4
- 2. 2
- 3.8
- 4. 6

Solution:

The correct answer is option 3 i.e 8

$$a^3 + 1/a^3 = (a + 1/a)^3 - 3(a + 1/a)$$

$$52 = (a + 1 / a)^3 - 3(a + 1 / a)$$

a + 1/a = 4

$$2(a + 1 / a) = 2 \times 4 = 8$$

Question 47:

The rate of simple interest on a sum of money is 5% p.a. for the first 4 years, 8% p.a. for the next 3 years and 10% p.a. for the period beyond 7 years. If the simple interest accrued by the sum over a period of 10 years is Rs.1,850, then the sum is:

Difficulty: Moderate Average Time: 51 Seconds

Options:

1. Rs.2,750

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Rs.1,650

3. Rs.1,500

4. Rs.2,500

Solution:

The correct answer is option 4 i.e Rs.2,500

Understanding	Application
	Let the principal amount be Rs. 'P'
	Simple interest for first 4 years
	(P × 5 × 4) / 100
	0.2P
For finding the girante	Simple interest for next 3 years
For finding the simple interest rate	(P × 8 × 3) / 100
(principal × rate of	0.24P
interest × time) / 100	Simple interest for next 3 years
	(P × 10 × 3) / 100
	0.3P
	Total interest = 0.3P + 0.24P + 0.2P
	0.74P = 1850
	Rs. 2500

Question 48:

What is the smallest integer that is divisible by 3, 7, and 18?

Difficulty: Moderate Average Time: 64 Seconds

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Options:

- 1. 63
- 2. 252
- 3. 126
- 4. 72

Solution:

The correct answer is option 3 i.e 126

We need to find the least common multiplier of the three numbers

$$18 = 2 \times 3 \times 3$$

$$3 = 3$$

$$7 = 7$$

$$LCM.(3, 7, 18) = 2 \times 3^2 \times 7 = 126$$

Question 49:

Two circles of radii 8 cm and 6 cm touch each other externally. The length of the direct common tangent is:

Difficulty : Moderate Average Time : 41 Seconds

Options:

- 1. 13.86 cm
- 2. 24 cm
- 3. 10.12 cm
- 4. 20 cm

Solution:

The correct answer is option 1 i.e 13.86 cm

Understanding Application

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13.86 cm







The length of the direct	Length of the
common tangent = (d ² - (r	common tangent
$_2 - r_1)^2$	$=((6+8)^2-(8-$
Where d is the distance	(6) ²)
between two centers and r	(196 - 4)

Question 50:

circles.

1, r2 are the radii of the

Among 160 players in a tournament, 57 did not participate in any of the three games, i.e. Cricket, Hockey and Badminton. A total of 37 players participated in only one game, 10 players participated in both Cricket and Hockey but not in Badminton, 9 players participated in both Hockey and Badminton but not Cricket, 13 players participated in both Cricket and Badminton but not in Hockey. How many students participated in all the three games?

Difficulty: Moderate Average Time: 72 Seconds

Options:

1. 38

2. 32

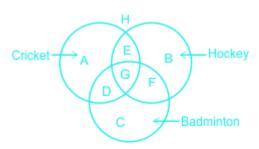
3. 34

4. 30

Solution:

The correct answer is option 3 i.e 34

The following Venn Diagram can be drawn fom the given information:



We need to fing G (Players who participated in all the three games),

A + B + C + D + E + F + G + H = 160

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$$G = 160 - \{(A + B + C) + D + E + F + H\}$$

$$G = 160 - (37 + 13 + 10 + 9 + 57)$$

G = 34

Question 51:

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

Difficulty: Moderate **Average Time: 56 Seconds**

Options:

1. 26584: 25

2. 41263: 18

3. 85245: 24

4. 77052: 21

Solution:

The correct answer is option 2 i.e 41263: 18.

Understanding	Application
The logic used here is: The second number is the sum of the digits of the first number. Option 1: 26584: 25	Similarly, Option 2: 41263: 18 4+1+2+6+3 = 18 (Incorrect) Hence, option 2 is
2 + 6 + 5 + 8 + 4 = 25	the correct answer.

Question 52:

In a certain code language, 'NECTAR' is written as 'DFOSBU'. How will 'CARPET' be written as in that language?

Difficulty: Moderate Average Time: 56 Seconds

Options:

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DBSQGR

- 2. SBDUFQ
- 3. BDSSUG
- 4. SBDVFR

Solution:

The correct answer is option 2 i.e SBDUFQ

Understanding	Application
NEC/TAR CEN/RAT	Similarly for CARPET:
C + 1 = D; E + 1 = F; N	CAR/PET RAC/TEP
+ 1 = O;	R + 1 = S; A + 1 = B;
R + 1 = S; A + 1 = B; T + 1 = U	C + 1 = D;
DFOSBU	T + 1 = U; E + 1 = F; P + 1 = Q
	SBDUFQ

Question 53:

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

Difficulty: Moderate

Average Time: 62 Seconds

Options:





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Solution:

The correct answer is option 1

Understanding

After unfolding, the paper will appear as follows:



When the paper is unfolded the same pattern will appear four times.

Question 54:

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 50 48 30 56 32 40 350 192?

Difficulty: Moderate Average Time: 68 Seconds

Options:

1. 145

2. 180

3. 140

4. 150

Solution:

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The correct answer is option 4 i.e 150.

Understanding	Application
Column 1:	Similarly,
$(50 \times 56) \div 8 =$ 350	Column 3:
Column 2:	$(30 \times 40) \div 8 = 150$
(48 × 32) ÷ 8 = 192	Hence, option 4 is the correct answer.

Question 55:

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

Difficulty : Moderate Average Time : 51 Seconds

Options:









Solution:

The correct answer is option 3

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Understanding

The triangle, square and arrow are rotating in a clockwise direction in triangle form and the rhombus is moving up and down on the right side of the square.

The sequence of figures:



Question 56:

Arrange the following words in a logical and meaningful order. 1. Class 2. Admission 3. Result 4. Examination 5. Marking

Average Time: 73 Seconds

Difficulty: Moderate

Options:

1. 2, 1, 4, 5, 3

2. 2, 1, 5, 3, 4

3. 5, 3, 4, 1, 2

4. 3, 4, 2, 1, 5

Solution:

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

Understanding

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In this question, you need to arrange the words in a logical and meaningful order.

So the arrangement is;

- 1. Admission
- 2. Class
- 3. Examination
- 4. Marking
- 5. Result

Question 57:

Select the option in which the given figure X is embedded (Rotation is not allowed).

Difficulty: Moderate

Average Time: 49 Seconds

Options:









Solution:

The correct answer is option 1

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Understanding

The given figure is embedded in option 1, as shown below:



Question 58:

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 : 67 Seconds

Options:

- 1. Television
- 2. Geyser
- 3. Machine
- 4. Computer

Solution:

The correct answer is option 3 i.e Machine

Understanding

Television, computer and geyser are types of machine.

Hence, MACHINE is the odd one out.

Question 59:

Select the option in which the numbers are related in the same way as are the numbers in the given set. (14, 18, 277)

Difficulty: Moderate Average Time: 45 Seconds

Options:

1. (12, 32, 320)

2. (20, 22, 521)

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(18, 16, 485)

4. (24, 20, 576)

Solution:

The correct answer is option 2 i.e (20, 22, 521)

Understanding	Application
Given: (14, 18,	A similar relation can be seen in option 2,
$(14)^2 + (18/2)^2$	(20, 22, 521)
= 196 + 81	$(20)^2 + (22/2)^2$
= 277	= 400 + 121
- 211	= 521

Question 60:

'Size' is related to 'Medium' in the same way as 'Shape' is related to '______'

Difficulty: Moderate Average Time: 50 Seconds

Options:

- 1. Oval
- 2. Colour
- 3. Corner
- 4. Object

Solution:

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

Understanding Application

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Similarly,

Medium is a type of size.

Oval is a type of shape.

Hence, option 1 is the correct answer.

Question 61:

In which of the following Indian airports will the Wings India 2020, international exhibition and conference on the civil aviation sector, be held?

Difficulty: Moderate Average Time: 51 Seconds

Options:

- 1. Bagdogra Airport
- 2. Begumpet Airport
- 3. Chaudhary Charan Singh Airport
- 4. Chennai International Airport

Solution:

The correct answer is option 2 i.e Begumpet Airport.

- Wings India 2020, the biennial civil aviation and aerospace event was launched today at Begumpet Airport in Hyderabad.
- The event is being organised by Ministry of Civil Aviation along with Airports Authority of India and FICCI (Federation of Indian Chambers of Commerce & Industry).

Question 62:

In which of the following years were two additional Commissioners appointed to the Election Commission of India for the first time?

Difficulty: Moderate Average Time: 53 Seconds

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Options:

- 1. 1998
- 2. 1989
- 3. 1991
- 4. 1990

Solution:

The correct answer is option 2 i.e. 1989.

- The Election Commission of India (ECI) is a constitutional authority under the jurisdiction of the Ministry of Law and Justice, Government of India.
- It is responsible for the conduct of elections at the national level, state level, and local level.
- For the first time, two additional Commissioners were appointed on 16th October 1989 by the Rajiv Gandhi government.

Question 63:

Who was the Governor-General of Bengal during the 3rd Anglo-Mysore war?

Difficulty: Moderate Average Time: 47 Seconds

Options:

- 1. John Macpherson
- 2. Warren Hastings
- 3. 2nd Earl Cornwallis
- 4. John Shore

Solution:

The correct answer is option 3 i.e. 2nd Earl Cornwallis.

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- The Anglo-Mysore Wars were a series of wars fought during the last three decades of the 18th century between the Kingdom of Mysore on the one hand, and the British East India Company (represented chiefly by the Madras Presidency), Maratha Empire and the Nizam of Hyderabad on the other.
- 2nd Earl Cornwallis was the Governor-General of Bengal during the 3rd Anglo-Mysore war.

Question 64:

Who is the author of the book 'Dreams From My Father'?

Difficulty : Moderate Average Time : 56 Seconds

Options:

1. Charles Darwin

2. Navin Chawla

3. Barack Obama

4. Olivia Laing

Solution:

The correct answer is option 3 i.e Barack Obama.

 Dreams from My Father: A Story of Race and Inheritance (1995) is a memoir by Barack Obama that explores the events of his early years in Honolulu and Chicago up until his entry into law school in 1988.

Question 65:

In which year was the Hindustan Socialist Republican Association (HSRA) founded?

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Difficulty: Moderate

Average Time: 47 Seconds

Options:

- 1. 1928
- 2. 1929
- 3. 1926
- 4. 1930

Solution:

The correct answer is option 1 i.e 1928.

- The Revolutionary was published by the Hindustan Republican Association (HRA) - renamed in 1928 as the Hindustan Socialist Republican Association (HSRA) - a revolutionary organisation that was set up in 1923.
- It was written by Ram Prasad Bismil, a leader of the Association, but was signed under a fake name.

Question 66:

If A lies in third quadrant, and 20tanA = 21, then the value of (5 SinA - 2 CosA)/(4 CosA - (5/7)SinA) is:

Difficulty : Moderate Average Time : 51 Seconds

Options:

- 1. 5/29
- 2. 13/12
- 3. (-65)/29
- 4. 1

Solution:

The correct answer is option 4 i.e 1

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tanA = perpendicular / base = 21 / 20

By using the pythogorus theorem,

Hypotenuse = (441 + 400)

Hypotenuse = 29

SinA = perpendicular / hypotenuse = 21 / 29

As in 3rd quadrant sin will be negative, sinA = -21 / 29

CosA = base / hypotenuse = 20 / 29

As in 3rd quadrant sin will be negative, $\cos A = -20 / 29$

(5 SinA - 2 CosA)/(4 CosA - (5/7)SinA)

 $\{5(-21/29) - 2 \times (-20/29)\}/\{4(-20/29) - (5/7) \times (-21/29)\}$

{-65 / 29} / {-65 / 29}

1

Question 67:

The following table gives the details of Five commodities A, B, C, D and E with quantity required and their costs for a family in a month. Study the table and answer the questions that follow. Commodity Ouantity required/ month (in kg) Rate/kg in Rs Year 2016 Year 2019 A 15 Rs.60 Rs.80 B 20 Rs.50 Rs.60 C 12 Rs.35 Rs.40 D 40 Rs.75 Rs.85 E 8 Rs.64 Rs.72 The ratio of the total amount spent on A and D commodities in the year 2019 is:

Difficulty: Moderate

Average Time: 81 Seconds

Options:

1. 1:1

2. 6:17

3. 15:17

4. 3:8

Solution:

The correct answer is option 2 i.e 6:17

The quantity demanded of commodity A = 15 kg

The price of commodity A in 2019 = Rs. 80

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Total value = 15×80

Rs.1200

The quantity demanded of commodity D = 40 kg

The price of commodity D in 2019 = Rs. 85

Total value = 40×85

Rs.3400

The required ratio = 1200 / 3400

6:17

Question 68:

The value of 4 [((1 - SecA)2 + (1 + SecA)2)/(1 + Sec2A)] is:

Difficulty: Moderate

Average Time: 47 Seconds

Options:

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

4. 1

Solution:

The correct answer is option 2 i.e 8

$$4[((1 - SecA)^2 + (1 + SecA)^2))/(1 + Sec^2A)]$$

$$4[(1 + sec^2A - 2secA + 1 + sec^2A + 2secA)/(1 + Sec^2A)]$$

$$4[(2 + 2sec^2A) / (1 + Sec^2A)]$$

 $4 \times 2 = 8$

Question 69:

Which of the following railway stations has been certified by FSSAI as the country's first 'Eat Right Station'?

Difficulty: Moderate Average Time: 46 Seconds

Options:

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Allahabad

- 2. Jaipur
- 3. Mumbai Central
- 4. Jabalpur

Solution:

The correct answer is option 3 i.e Mumbai Central.

 The Mumbai Central railway station has been certified as India's first Eat Right Station, with four stars rating by the Food Safety and Standards Authority of India (FSSAI).

Question 70:

Which of the following players of the Indian cricket team laid the foundation of the Cricket Stadium and Training Centre at Heartfulness Institute's headquarters in Hyderabad?

Average Time: 50 Seconds

Difficulty: Moderate

Options:

- 1. Rohit Sharma
- 2. Yuvraj Singh
- 3. Sikhar Dhawan
- 4. Virat Kohli

Solution:

The correct answer is **option 1** i.e **Rohit Sharma**.

 Rohit Sharma laid the foundation of the Cricket Stadium and Training Centre at 'Heartfulness Institute's headquarters in Hyderabad.

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Question 71:

What was National Highway 66 (NH 66) previously known as?

Difficulty : Moderate Average Time : 43 Seconds

Options:

- 1. NH 17
- 2. NH2
- 3. NH8
- 4. NH5

Solution:

The correct answer is option 1 i.e NH 17.

- Prior to the building of National
 Highway 66 (NH 66), then known as
 National Highway 17 (NH17), in the
 1960s and 1970s, ships and steamers
 running between Mumbai and
 Mangalore calling at different ports
 were the only means of transport along
 the west coast of India adjoining the
 Arabian Sea.
- It connects Panvel (a city south of Mumbai) to Cape Comorin (Kanyakumari), passing through the states of Maharashtra, Goa, Karnataka, Kerala and Tamil Nadu.

Question 72:

What is the atomic mass of Zirconium?

Difficulty: Moderate Average Time: 55 Seconds

Options:

1. 88.22

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89.22

- 3. 90.22
- 4. 91.22

Solution:

The correct answer is option 4 i.e. 91.22.

- Zirconium is a chemical element with the symbol Zr and atomic number 40.
- It is a lustrous, greyish-white, soft, ductile, malleable metal that is solid at room temperature, though it is hard and brittle at lesser purities.
- The atomic mass of Zirconium is 91.224 u.

Question 73:

Who among the following scientists invented Kevlar?

Difficulty: Moderate Average Time: 47 Seconds

Options:

- 1. Steve Wozniak
- 2. Marry Anderson
- 3. Stephanie Louise Kwolek
- 4. George Eastman

Solution:

The correct answer is option 3 i.e Stephanie Louise Kwolek.

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- Kevlar is a heat-resistant and strong synthetic fibre, related to other aramids such as Nomex and Technora.
- Developed by Stephanie Kwolek at DuPont in 1965, the high-strength material was first used commercially in the early 1970s as a replacement for steel in racing tires.

Question 74:

Which of the following has the lowest melting point?

Difficulty : Moderate Average Time : 50 Seconds

Options:

- 1. Silver
- 2. Tin
- 3. Zinc
- 4. Lead

Solution:

The correct answer is option 2 i.e Tin.

- The low value for tin's melting point compared with lead is presumably due to tin forming a distorted 12-coordinated structure rather than a pure one.
- Tin has an unusually low melting point of 231.85°C.

Question 75:

Who among the following is the head of the standing committee on economic statistics set up by the Ministry of Statistics and Programme Implementation (MOSPI)?

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Difficulty: Moderate

Average Time: 51 Seconds

Options:

- 1. Krishnamurthy Subramanian
- 2. Manmohan Singh
- 3. Raghuram Rajan
- 4. Pronab Sen

Solution:

The correct answer is option 4 i.e Pronab Sen.

- Pronab Sen will review and develop the country's surveys on employment, industry and services sector amid criticism of official statistics.
- The Ministry of Statistics and Programme Implementation has set up a single standing committee on economic statistics (SCES) to deliberate and develop methodologies for surveys on industry, services and employment in place of multiple panels on these issues.

Question 76:

Which of the following countries had the highest number of newborn babies on first day of 2020?

Difficulty: Moderate Average Time: 57 Seconds

Options:

- 1. USA
- 2. China
- 3. Pakistan

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India

Solution:

The correct answer is option 4 i.e India.

India recorded the birth of 67,385
 children on the first day of New Year
 2020 which is the highest number in the
 world. According to the UNICEF United Nations Children's Fund total of
 3,92,078 babies born around the world
 on January 01, 2020.

Question 77:

In which of the following states did Khadi and Village Industries Commission (KVIC) open its first Silk Processing Plant?

Difficulty : Moderate Average Time : 50 Seconds

Options:

- 1. Gujarat
- 2. Goa
- 3. Madhya Pradesh
- 4. Haryana

Solution:

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

- Khadi and Village Industries
 Commission (KVIC) opened its first Silk
 Processing Plant in the Surendranagar district of Gujarat.
- The objective of this plant is to reduce the cost of production of silk yarn and increase the availability of raw material used in the production of Gujarati Patola sarees.

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Question 78:

In which of the following Indian states is the Lai Haraoba festival celebrated?

Difficulty: Moderate Average Time: 51 Seconds

Options:

- 1. Karnataka
- 2. Goa
- 3. Kerala
- 4. Manipur

Solution:

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

- Lai Haraoba is one of the important festivals of Manipur, and it is celebrated to pay respect and honour to the local traditional deities and ancestors.
- The festival is usually celebrated by the Meitei community and is also referred to as the 'Festivity of the Gods'.

Question 79:

Which of the following is used to remove the green colour from the glass?

Difficulty: Moderate Average Time: 52 Seconds

Options:

- 1. Silicon dioxide
- 2. Manganese dioxide
- 3. Titanium dioxide
- 4. Sulphur dioxide

Solution:

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The correct answer is option 2 i.e Manganese dioxide.

 Manganese dioxide, which is black, is used to remove the green colour from the glass; in a very slow process, this is converted to sodium permanganate, a dark purple compound.

Question 80:

Who among the following was NOT a minister of Cabinet Mission Plan, 1946?

Difficulty: Moderate Average Time: 46 Seconds

Options:

- 1. Lord Wavell
- 2. Sir Pethick Lawrence
- 3. Sir Stafford Cripps
- 4. Alexander

Solution:

The correct answer is option 1 i.e Lord Wavell.

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- The Cabinet Mission came to India aiming to discuss the transfer of powers from the British government to the Indian leadership, with the aim of preserving India's unity and granting its independence.
- Formulated at the initiative of Clement
 Attlee, the Prime Minister of the United
 Kingdom, the mission had Lord Pethick Lawrence, the Secretary of State for
 India, Sir Stafford Cripps, President of
 the Board of Trade, and A.V.
 Alexander, the First Lord of the
 Admiralty.
- Lord Wavell, the Viceroy of India, did not participate in every step but was present.

Question 81:

In which of the following temples is the Ambubasi Fair celebrated every year?

Difficulty: Moderate Average Time: 64 Seconds

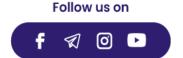
Options:

- 1. Kashi Vishwanath temple
- 2. Kamakhya temple
- 3. Kedarnath temple
- 4. Jagnanath temple

Solution:

The correct answer is option 2 i.e Kamakhya temple.

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- The Ambubachi Mela is an annual Hindu Mela held at Kamakhya Temple in Guwahati, Assam.
- This yearly Mela is celebrated during the monsoon season that happens to fall during the Assamese month Ahaar, around the middle of June when the sun transit to the zodiac of Mithuna, when the Brahmaputra river is in spate.

Question 82:

Which of the following states topped among all the states with the highest number of fire alerts according to a 2019 report by the Forest Survey of India?

Average Time: 58 Seconds

Difficulty: Moderate

Options:

1. Arunachal Pradesh

2. Mizoram

3. Madhya Pradesh

4. Odisha

Solution:

The correct answer is option 2 i.e Mizoram.

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- Forest Survey of India was set up in 1981 under the aegis of the Union Environment Ministry. Its function is to periodically monitor changes occurring in forest and land resources and provide data for national planning, conservation and sustainable development.
- Mizoram topped among all the states with the highest number of fire alerts according to a 2019 report by the Forest Survey of India.

Question 83:

Which player of the Indian Women's Hockey team has been nominated for the 'World Games Athlete of the Year' Award, 2019 by the International Hockey Federation (FIH)?

Difficulty: Moderate Average Time: 59 Seconds

Options:

- 1. Rani Rampal
- 2. Reena Khokhar
- 3. Bichu Devi Kharibam
- 4. Rajani Etimarpu

Solution:

The correct answer is option 1 i.e Rani Rampal.

 Rani Rampal, the captain of the Indian women's hockey team, has been nominated for the 'World Games Athlete of the Year' award by the International Hockey Federation (FIH).

Question 84:

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Which of the following Articles is related to the Ancillary powers of the Supreme Court?

Difficulty: Moderate Average Time: 47 Seconds

Options:

- 1. Article 140
- 2. Article 138
- 3. Article 143
- 4. Article 150

Solution:

The correct answer is option 1 i.e. Article 140.

- Article 140 deals with the Ancillary powers of the Supreme Court.
- The Supreme Court of India is the highest court under the Constitution of India.
- Article 138 deals with the Enlargement of the jurisdiction of the Supreme Court.
- Article 143 confers Advisory Jurisdiction to the Supreme Court of India.
- Article 150 says that the accounts of the Union and of the States shall be kept in such form as the President may, on the advice of the CAG, prescribe.

Question 85:

What kinds of isotopes does Scandium have?

Difficulty: Moderate Average Time: 55 Seconds

Options:

- 1. 13
- 2. 10
- 3. 15
- 4. 19

Solution:

The correct answer is **option 1** i.e. **13.**

- Scandium is a chemical element with the symbol Sc and atomic number 21.
- Scandium has 13 isotopes.

Question 86:

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Which of the following Indian movies was nominated for the 92nd Oscar Awards?

Difficulty: Moderate Average Time: 36 Seconds

Options:

- 1. War
- 2. The Surgical Strike
- 3. Mission Mangal
- 4. Gully Boy

Solution:

The correct answer is option 4 i.e Gully Boy.

- The Academy Awards, popularly known as the Oscars, are awards for artistic and technical merit in the film industry.
- They are regarded as the most famous and prestigious awards in the entertainment industry around the world. Given annually by the Academy of Motion Picture Arts and Sciences (AMPAS).
- Gully Boy was nominated for the 92nd Oscar Awards.

Question 87:

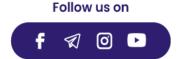
The following table gives the details of Five commodities A, B, C, D and E with quantity required and their costs for a family in a month. Study the table and answer the questions that follow. Commodity Ouantity required/ month (in kg) Rate/kg in Rs Year 2016 Year 2019 A 15 Rs.60 Rs.80 B 20 Rs.50 Rs.60 C 12 Rs.35 Rs.40 D 40 Rs.75 Rs.85 E 8 Rs.64 Rs.72 The amount spent extra on commodities B and C in the year 2019 as compared to that in the year 2016, is:

Difficulty: Moderate Average Time: 73 Seconds

Options:

1. Rs.192

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Rs.110

- 3. Rs.248
- 4. Rs.260

Solution:

The correct answer is option 4 i.e Rs.260

The price difference in the price of commodity B from 2016 to 2019 = Rs.10

The quantity required = 20kg

Total value = 20×10

Rs. 200

The price difference in the price of commodity C from 2016 to 2019 = Rs.5

The quantity required = 12kg

Total value = 12×5

Rs. 60

Total = 200 + 60

Rs. 260

Question 88:

A train crosses a platform 180 m long in 60 sec at a speed of 72 km/h. The time taken by the train to cross an electric pole is:

Difficulty: Moderate Average Time: 53 Seconds

Options:

- 1. 0.51 min
- 2. 5.1 sec
- 3. 5 .1 min
- 4. 51 sec

Solution:

The correct answer is option 4 i.e 51 sec

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Understanding	Application
	First, we will convert speed into m/s
	72 × (5 / 18)
	20m/s
Creed Distance	Let the speed of the train be 'T'm so the distance covered by the train while covering the platform
Speed = Distance / time	T + 180
To convert speed from km/h to m/s	By the speed-distance formula
Speed(km/h) × (5	20 = (T + 180) / 60
/ 18) = speed(m/s)	1200 = T + 180
	T = 1020 m
	For covering the pole train has to cover a distance equal to the length of the train.
	20 = 1020 / t
	t = 51 Sec

Question 89:

In ABC, if the ratio of angles are in the proportion 3 : 5 : 4, then the difference between the biggest and the smallest angles (in degrees) is:

Difficulty: Moderate Average Time: 73 Seconds

Options:

1. 35°

2. 30°

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25°

4. 20°

Solution:

The correct answer is option 2 i.e 30°

Let the angles be 3x, 5x & 4x in ABC.

The sum of all the angles in a triangle is 180°

$$3x + 5x + 4x = 180^{\circ}$$

$$12x = 180^{\circ}$$

$$x = 15^{\circ}$$

The difference between the biggest and smallest angle is (5x - 3x) is 2x.

$$2x = 2 \times 15^{\circ}$$

30°

Question 90:

If b + c = ax, c + a = by, a + b = cz, then the value of 1/9[1/(x + 1) + 1/(y + 1) + 1/(1/z + 1)] is:

Difficulty: Moderate Average Time: 63 Seconds

Options:

1. 0

2. 1

3. 1/9

4. 1/3

Solution:

The correct answer is option 3 i.e 1/9

$$b + c = ax x = (b + c)/a$$

$$a + c = by y = (a + c)/b$$

$$b + a = cz z = (b + a)/c$$

$$1/9[1/((b + c)/a + 1) + 1/((a + c)/b + 1) + 1/(1/(b + a)/c + 1)]$$

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$$1/9[(a/a + b + c) + (b/a + b + c) + (c/a + b + c)]$$

$$1/9[(a + b + c)/(a + b + c)]$$

1/9

Question 91:

In a triangle ABC, DE is parallel to BC and AD = a, DB = a + 4, AE = 2a + 3, EC = 7a. What is the value of 'a' if a > 0?

Difficulty : Moderate

Average Time: 56 Seconds

Options:

- 1. 5
- 2. 3
- 3. 6
- 4. 4

Solution:

The correct answer is option 2 i.e 3

The triangle a^+ABC & a^+ADE are similar by AA similarity

AD/AB = AE/AC

$$a/(a + a + 4) = (2a + 3)/(2a + 3 + 7a)$$

$$a/(2a + 4) = (2a + 3)/(9a + 3)$$

$$a(9a + 3) = (2a + 3)(2a + 4)$$

$$5a^2 - 11a - 12 = 0$$

By solving the above quadratic equation:

$$(5a + 4)(a - 3) = 0$$

$$a = 3 (a > 0)$$

Question 92:

The value of ($[54 - (5 \div 2) \times 8] + 13$)/(48 - 4 ÷ 3 × 8 - 2) is:

Difficulty : Moderate

Average Time: 82 Seconds

Options:

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89/106

- 2. 141/127
- 3. 89/127
- 4. 141/106

Solution:

The correct answer is option 4 i.e 141/106

Application
([54 - (5 ÷ 2) × 8] + 13) / (48 - 4 ÷ 3 × 8 - 2)
([54 - 20] + 13) / (48 - 32 / 3 - 2)
(47) / (106 / 3)
141 / 106

Question 93:

The following Table gives the details of Five commodities A, B, C, D and E with quantity required and their costs for a family in a month. Study the Table and answer the question that follow. Commodity Ouantity required/ month (in kg) Rate/kg in Rs Year 2016 Year 2019 A 15 Rs.60 Rs.80 B 20 Rs.50 Rs.60 C 12 Rs.35 Rs.40 D 40 Rs.75 Rs.85 E 8 Rs.64 Rs.72 The total amount spent on the Five commodities by the family in the year 2019 is:

Difficulty: Moderate Average Time: 64 Seconds

Options:

1. Rs.5,400

2. Rs.7,248

3. Rs.6,856

4. Rs.8,122

Solution:

The correct answer is option 3 i.e Rs.6,856

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Understanding	Application
	Cost of A = 15 x 80
	Rs. 1200
	Cost of B = 20 × 60
	Rs. 1200
We know that total expenditure is the value of one unit times the price of that unit.	Cost of C = 12 x 40
	Rs. 480
	Cost of D = 40 x 85
	Rs. 3400
	Cost of E = 8×72
	Rs. 576
	Total expenditure = 576 + 3400 + 480 + 1200 + 1200
	Rs. 6856

Question 94:

The sum of the squares of 3 natural numbers is 1029, and they are in the proportion 1 : 2 : 4. The difference between the greatest number and the smallest number is:

Difficulty: Moderate Average Time: 63 Seconds

Options:

1. 31

2. 21

3. 18

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15

Solution:

The correct answer is option 2 i.e 21

Let the three natural numbers be y, 2y, & 4y.

$$y^2 + (2y)^2 + (4y)^2 = 1029$$

$$21y^2 = 1029$$

y = 7 (y can't be -7 because we are dealing with natural numbers)

The difference between greatest number and smallest number =4y - y

$$3y = 21$$

Question 95:

If $x^2 - 4x + 4 = 0$, then the value of $16(x^4 - 1/x^4)$ is:

Difficulty: Moderate

Average Time: 49 Seconds

Options:

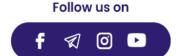
- 1. 127
- 2. 127/16
- 3. 255/16
- 4. 255

Solution:

The correct answer is option 4 i.e 255

Understanding Application

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	The roots of x^2 - $4x + 4 = 0$
The roots of the quadratic equation $ax^2 + bx + c = 0$ are $[-b + (b^2 - 4ac)] / 2a$ & $[-b - (b^2 - 4ac)] / 2a$	[4 - (16 - 16] / 2 2 16(x ⁴ - 1/x ⁴) 16(16 - 1 / 16)
	16(256 - 1) / 16 255

Question 96:

The average of 60 student's results is 38. If the average of the first 22 students is 36, and that of the last 32 students is 32, then the average result of the remaining students is:

Difficulty : Moderate Average Time : 68 Seconds

Options:

1. 77.33

2. 65.30

3. 52.12

4. 81.9

Solution:

The correct answer is option 1 i.e 77.33

Understanding Application

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the sum of all students = 60×38

2280

the sum of the first 22 students =

 22×36

Average = sum of observations / number of observations

Sum of observations = average × number of

observations

792

the sum of the last 32 students =

 32×32

1024

The sum of rest = 2280 - (1024 + 700)

792)

464

Average = 464 / 6

= 77.33

Question 97:

A, B and C can invidually complete a task in 20 days, 16 days and 30 days, respectively. If A and B started working on the task, and they worked for 4 days and left, then the number of days required by C to finish the remaining task is:

Difficulty : Moderate Average Time : 66 Seconds

Options:

 $16\frac{1}{2}$ days

2. 13 days

4. 10 days

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Solution:

The correct answer is **option 3** i.e $16\frac{1}{2}$ days

The number of days taken by A, B, and C to complete the task is 20, 16, and 30 days respectively.

LCM(20, 16, 30) = 240

Let the number of units of work be 240

The number of units works done by A per day = 240 / 20

12units

The number of units works done by B per day = 240 / 16

15units

The number of units works done by C per day = 240 / 30

8units

A & B started working for 4 days, the number of units = $4 \times (12 + 15)$

 $4 \times 27 = 108$ units

The remaining task = 240 - 108 = 132

Number of days by C to complete the task = 132 / 8

16.5 days or $16\frac{1}{2}$ days

Question 98:

A shopkeeper fixes the price of an article in such a way that after allowing 32% discount, he wants a gain of 14%. If the marked price is Rs.342, then the cost price of the article is:

Difficulty: Moderate

Average Time: 90 Seconds

Options:

1. Rs.212

2. Rs.218

3. Rs.204

4. Rs.196

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Solution:

The correct answer is option 3 i.e Rs.204

The market price of the article is Rs. 342 which is after 32% discount

Selling price = $342 \times (1 - 32 / 100)$

Selling price = 342×0.68

Rs. 232.56

On this article, he had a gain of 14%

Selling price = cost price \times (1 + gain%/100)

 $232.56 = CP \times (1 + 0.14)$

CP = 232.56 / 1.14

CP = Rs. 204

Question 99:

A, B and C are three points on a circle such that the angles subtended by the chords AB and AC at the centre O are 800 and 1200, respectively. The value of BAC is:

Difficulty: Moderate Average Time: 56 Seconds

Options:

- 1. 75°
- 2. 85°
- 3. 70°
- 4. 80°

Solution:

The correct answer is option 4 i.e 80°

Understanding Application

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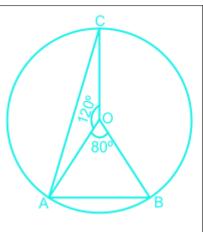






The sum of angles of a triangle is 180°.

The measure of the angle in the triangle made by chord except for the one on center is equal.



In the \hat{a} +OAB, $O = 80^{\circ}$

A = B (by the given property)

 $A + B = 100^{\circ}$

 $A = BAO = 50^{\circ}$

In the \hat{a} †OAC, O = 120°

A = C (by the given property)

 $A + C = 60^{\circ}$

 $A = CAO = 30^{\circ}$

BAC = BAO + OAC

 $BAC = 80^{\circ}$

Question 100:

If 0 A, B 450, Cos(A + B) = 24/25 and Sin(A - B) = 15/17, then tan2A is:

Difficulty: Moderate Average Time: 82 Seconds

Options:

1. 0

2. 1

3. 416/87

4. 213/4

Solution:

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The correct answer is option 3 i.e 416/87

Understanding	Application
	We have given that $cos(A + B) = 24 / 25$
	sin(A + B) = 7 / 25
	We have given that $sin(A - B) = 15 / 17$
$tan2A = tan\{(A+B) + (A-B)\}$	cos(A - B) = 8 / 17
B)} tan2A = tan(A + B) + tan(A - B) / 1 - tan(A + B) × tan(A - B)	By the formula tan = sin / cos
	tan(A + B) = 7 / 24, tan(A - B) = 15 / 8
	tan2A = (7 / 24 + 15 / 8) / 1 - (7 / 24) × (15 / 8)
	416 / 87

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 Evening 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 English Language, 25 questions were asked from Logical Reasoning and 25 questions were asked from General Awareness
- 4. 22 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. Data Interpretation 2
- 2. Geometry 3
- 3. Trigonometry 2
- 4. Mensuration 1
- 5. Algebra 1
- 6. Data Sufficiency 16

English Language

- 1. Cloze Test 12
- 2. Spotting Error 2
- 3. Parajumbles 1
- 4. Idioms 2
- 5. One Word Substitution 1
- 6. Voice 1
- 7. Synonym 2
- 8. Antonym 2
- 9. Filler (Vocab) 1
- 10. Correctly Spelt 1

Logical Reasoning

- 1. Coding Decoding 2
- 2. Analogy 4
- 3. Classification 3
- 4. Blood Relations 1
- 5. Syllogism 1
- 6. Venn Diagrams 2
- 7. Dictionary Based 1
- 8. Figure Based 2
- 9. Matrix 1
- 10. Paper-cutting, Folding, Punching 1
- 11. Mirrors And Water Reflection 1
- 12. Configuration, Fitting Pieces, Odd Pieces 1

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Series - 3

- 14. Mathematical Reasoning 1
- 15. Cubes And Dice 1

General Awareness

- 1. History 3
- 2. Polity 2
- 3. Science 4
- 4. Geography 1
- 5. GK Misc 4
- 6. Current Affairs 11

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.

Daily Current Affairs

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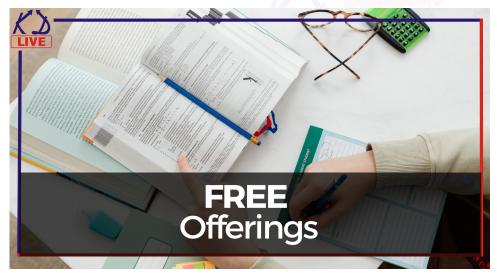






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Exam Eligibility

Exam Pattern

Answer Key

Important Days



Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

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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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