

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 2022-04-20 in the Morning exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :

Which of the following is the main food crop of the semi-arid areas of central and southern India?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Jowar
2. Ragi
3. Maize
4. Bajra

Solution :

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

- **Jowar** is the main food crop of the semi-arid areas of central and southern India.
- Maharashtra alone produces more than half of the total jowar production of the country. Other leading producer states of jowar are Karnataka, Madhya Pradesh, Andhra Pradesh and Telangana. It is sown in both Kharif and Rabi seasons in southern states.

Question 2 :

The scientific name for the domestic _____ is *Canis lupus familiaris*.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

dog

2. cat
3. buffalo
4. cow

Solution :

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

- The scientific name for the domestic **dog** is *Canis lupus familiaris*.
- The dog is one of the most ubiquitous and popular domestic animals in the world. For more than 12,000 years it has lived with humans as a hunting companion, protector, object of scorn or adoration, and friend.

Question 3 :

Who among the following was appointed as the brand ambassador of Eat. fit in March 2021?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Sonu Sood
2. Virat Kohli
3. Devdutt Padikkal
4. Deepika Padukone

Solution :

The correct answer is **option 3** i.e. **Devdutt Padikkal**.

- Healthy food platform Eat.fit appointed cricketer **Devdutt Padikkal**, as its brand ambassador in march 2021.
- The partnership between Eat.fit and **Padikkal** will be managed by the latter's management agency, Flipside Sport. He will represent the brand in all marketing campaigns for the next four years as the company aims to expand to 10 more cities in that time frame.

Question 4 :

As per an estimate by the 'Food Waste Index Report 2021', released by the United Nations Environment Programme (UNEP) in March 2021, India wastes approximately _____ kg food per person per year.

Difficulty : Moderate

Average Time : 56 Seconds



Options :

1. 20
2. 25
3. 100
4. 50

Solution :

The correct answer is **option 4** i.e. **50**.

- As per an estimate by the 'Food Waste Index Report 2021', released by the United Nations Environment Programme (UNEP) in March 2021, India wastes approximately **50 kg** food per person per year.
- The country ranks **94** among 107 countries in the Global Hunger Index. Despite this grave hunger, 11,520 tonnes of food grains were wasted in the past four years due to poor maintenance.

Question 5 :

Which of the following events in 2018 holds the Guinness World Record as being the largest annual fundraising event in the world (as of April 2021)?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Baxters Loch Ness Marathon
2. Schneider Electric Marathon de Paris
3. London Marathon
4. Patagonian International Marathon

Solution :

The correct answer is **option 3** i.e. **London Marathon**.

- **London Marathon** in 2018 holds the Guinness World Record as being the largest annual fundraising event in the world (as of April 2021).
- **22 April 2018** marks the **11th** consecutive year that Guinness World Records has partnered with the Virgin Money London Marathon, providing on-the-finish-line record verification for a huge variety of costumed runners.

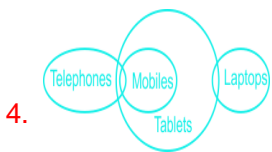
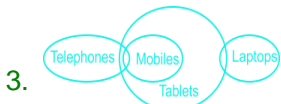
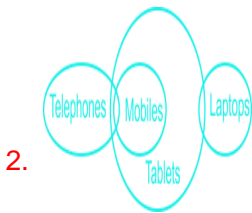
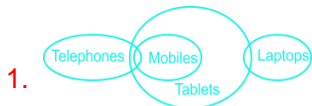
Question 6 :

Select the Venn diagram that best illustrates the relationship between the following classes. Plastic items, Buckets, Photo frames

Difficulty : Moderate

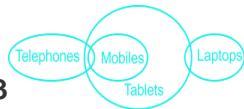
Average Time : 53 Seconds

Options :

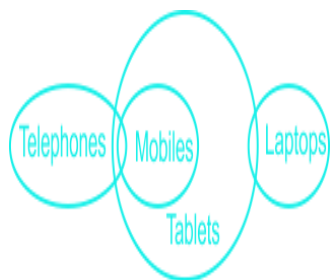


Solution :

The correct answer is **option 3**



The possible Venn diagram is:



Some plastic items are photo frames. Some plastic items are buckets.

Hence, the diagram given above shows the best relationship between them.

Question 7 :



In a certain code language, 'Min Fin Dig Jig' means 'Radha is an artist' and 'Sic Ric Min Dig Fin' means 'An artist is always open-minded'. Which of the following is the code for 'Radha'?

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. Fin
2. Dig
3. Min
4. Jig

Solution :

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

'Min Fin Dig Jig' means 'Radha is an artist' and 'Sic Ric Min Dig Fin' means 'An artist is always open-minded'

Code for the word is = min / fin/ dig

Code for the word an = min / fin/ dig

Code for the letter artist = min / fin/ dig

Hence, the code for the word Radha = jig

Question 8 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. X
_ U _ B _ O _ Z _ X _ U _ B

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. O Z X U B O Z
2. O Z X U B Z O
3. O X Z U B O Z
4. O Z X B U O Z

Solution :

The correct answer is **option 1** i.e. **O Z X U B O Z**.

The sequence is – O Z X U B O Z

Given sequence: X _ U _ B _ O _ Z _ X _ U _ B

Option 1: O Z X U B O Z

X O U Z B / X O U Z B / X O U Z B

Option 1 forms a particular pattern so, there is no need for checking further options.

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

Question 9 :

Select the mirror image of the given figure when the mirror is placed at 'AB' as shown.

Difficulty : Moderate

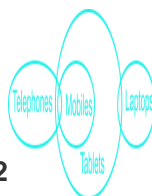
Average Time : 67 Seconds

Options :

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

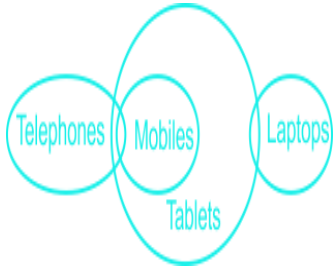


Solution :



The correct answer is **option 2** .

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.

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

Question 10 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. LAS, NFW, MKD, OPH, LUS, ?

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. MYX
2. MXW
3. NZW
4. NZH

Solution :

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

Given series: LAS, NFW, MKD, OPH, LUS, ?

The series follows the pattern:

LAS, NFW

$L + 2 = N$

$A + 5 = F$

$S + 4 = W$

MKD, OPH



$$M + 2 = O$$

$$K + 5 = O$$

$$D + 4 = H$$

Similarly;

LUS,?

$$L + 2 = N$$

$$U + 5 = Z$$

$$S + 4 = W$$

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

Question 11 :

Select the option that can be used as a one-word substitute for the given group of words. Easily hurt emotionally

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Sensitive
2. Incensed
3. Senseless
4. Sensible

Solution :

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

- The meaning of the options are as follows.
 1. **Sensitive**- quick to detect or respond to slight changes
 2. **Incensed**- enraged
 3. **Senseless**- unconscious
 4. **Sensible**- done or chosen in accordance with wisdom or prudence

Hence, as per the meaning of the options the correct answer is

Sensitive

Question 12 :



Given below are four sentences which are jumbled. Pick the option that gives their correct order. A. The sectors included agriculture, public health and public utilities among others. B. The GGI framework covered 10 sectors and 58 Industries. C. The Good Governance Index (GGI) 2021 scores have been declared. D. The objective was to provide quantifiable data to compare the performance of different States and Union Territories in these sectors.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. BACD
2. CBAD
3. ABDC
4. CADB

Solution :

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

- The first sentence of a passage is generally a general statement which in this case is **C** as it talks about the declaration of GGI results.
- This will be followed by **B** as it talks about the number of sectors and industries that it will cover.
- **B** will be followed by **A** as it precisely tells which sectors it will cover.
- The concluding sentence will be **D** as it talks about the reason behind data.

Hence, the correct answer is

CBAD

Question 13 :

The following sentence has been split into segments. One of them may contain an error. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer. Sunil refused to / attend the meeting / of association on Saturday.

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. of association on Saturday
2. No error
3. attend the meeting
4. Sunil refused to

**Solution :**

The correct answer is **option 1** i.e. **of association on Saturday**.

- Definitive article like **'the'** is used before a **noun** like name of the country, organizations etc.
- Hence, the will be used before **association** which is a collective noun.

Hence, the correct sentence is

Sunil refused to attend the meeting of **the** association on Saturday

Question 14 :

Select the option that can be used as a one-word substitute for the given group of words. A group of people

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Herd
2. Flock
3. Crowd

Solution :

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

- The meaning of **'A group of people'** is **'crowd'**.
- The meaning of the options are as follows.

1. **Herd**- a large group of animals
2. **Flock**- a number of birds of one kind feeding
3. **Crowd**- a large number of people gathered together in a disorganized or unruly way.

Hence, the correct answer is

Crowd**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 number. I decided to stay away from television (1) _____ a whole year. After a week, I started feeling (2) _____. But, my friend Bess cheered me up. She (3) _____ me every day and would take me places. It was (4) _____ how much fun we had without TV. My life had become more (5) _____ without the good old idiot box.

Question 15 :

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



Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. for
2. since
3. to
4. from

Solution :

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

- The sentence talks about her decision to not watch television.
- We use **for** to **talk about a purpose**.
- In the sentence she talks about not watching the television **for** a year.

Hence the correct answer is

for

Question 16 :

Prashant Bhushan, who was a founding member of the India Against Corruption movement, is a prominent Indian _____.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. lawyer
2. film director
3. industrialist
4. sports commentator

Solution :

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

- Prashant Bhushan, who was a founding member of the India Against Corruption movement, is a prominent Indian **lawyer**.
- India Against Corruption (IAC) movement also known as 'Team Anna' supported Anna Hazare's campaign for the implementation of the Jan Lokpal Bill. After a split in IAC, he helped Team Anna form the Aam Aadmi Party.



In 2015, he made several allegations against the party's leadership, its functioning and its deviation from the core ideology, values and commitments.

- He is one of the founders of Swaraj Abhiyan and Sambhaavnaa, an Institute of Public Policy and Politics.

Question 17 :

Participation in which of the following activities is NOT recommended for the motor development of a student?

Difficulty : Moderate**Average Time : 61 Seconds****Options :**

1. Playing cricket
2. Joining a dance class
3. Helping the visually challenged
4. Attending Yoga sessions

Solution :

The correct answer is **option 3** i.e. **Helping the visually challenged.**

- **Helping the visually challenged** is not recommended for the motor development of a student.
- Motor development means the physical growth and strengthening of a child's bones, muscles and ability to move and touch his/her surroundings. A child's motor development falls into two categories:
 1. Fine motor skills- It refers to small movements in the hands, wrists, fingers, feet, toes, lips and tongue.
 2. Gross motor skills- It involves motor development of muscles that enable babies to hold up their heads, sit and crawl, and eventually walk, run, jump and skip.

Question 18 :

Koteshwar Hydroelectric Power Project is located on the river _____.

Difficulty : Moderate**Average Time : 61 Seconds****Options :**

1. Gomti
2. Koshi
3. Bhagirathi
4. Damodar

Solution :



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

- Koteswar Dam is a gravity dam on the river **Bhagirathi**, located 22 km (14 mi) downstream of the Tehri Dam in Tehri District, Uttarakhand.
- The dam is part of the Tehri Hydropower Complex and serves to regulate the Tehri Dam's tailrace for irrigation and create the lower reservoir of the Tehri Pumped Storage Power Station.
- The dam has a 400 MW (4x100 MW) run-of-the-river power station.
- The project got commissioned in 2011.

Question 19 :

Which of the following Amendment Acts of the Constitution of India abolished the privy purses and privileges of former rulers of princely states?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 25th Amendment Act 1971
2. 26th Amendment Act 1971
3. 28th Amendment Act 1972
4. 27th Amendment Act 1971

Solution :

The correct answer is **option 2** i.e. **26th Amendment Act 1971**.

- The **26th Amendment Act of 1971** of the Constitution of India abolished the privy purses and privileges of former rulers of princely states.
- The abolition of privy purse was needed because it went against the idea of equal rights for all citizens, as enshrined under fundamental rights of Indian constitution.
- The concept of rulership, with 'privy purse' and special privileges was incompatible with principles of democracy, equality and social justice and it was unrelated to any current functions and social purposes.
- In order to fulfill the aspiration of socialistic pattern of society and burgeoning economic pressure, due to 1971 refugee crisis from east Pakistan, there was a need for the Government to reduce revenue deficit.

Question 20 :

_____ is a popular folk dance of Minicoy Island.

Difficulty : Moderate

Average Time : 66 Seconds



Options :

1. Lava
2. Leshalaptu
3. Moyashai
4. Aaluyattu

Solution :

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

- **Lava** is a popular folk dance of Minicoy Island of Lakshadweep.
- It is a powerful and dynamic dance form and may be described as a riot of colors.
- The costumes of **Lava** dance performance are multi-hued costumes and the standard headwear.
- The Lava dancers also carry drums and dances to the rhythmic beats of drums and accompanied by traditional songs.
- The other colorful dance forms of Minicoy are **Dandi**, **Bandiya** and **Fuli**.

Question 21 :

In which of the following years did the Indian army free Goa from the Portuguese?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 1961
2. 1959
3. 1967
4. 1956

Solution :

The correct answer is **option 1** i.e. **1961**.

- The Indian army free Goa from the Portuguese on **19, December 1961**.
- The **Liberation of Goa** was a military action undertaken by the Government of India to liberate the territories of Diu, Daman and Goa from the Portuguese.
- The 'armed action' was code-named '**Operation Vijay**' by the Indian Armed Forces. It involved air, sea and land strikes for over 36 hours during which Goa was liberated from 450 years of Portuguese rule.

Question 22 :

Sikandra is the final resting place of Emperor _____.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Humayun
2. Jahangir
3. Shah Jahan
4. Akbar

Solution :

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

- Sikandra is the final resting place of Emperor **Akbar**.
- Akbar's tomb was completed by his son, Jahangir in 1605-1613. It is situated on 119 acres of grounds in Sikandra, a sub of Agra, Uttar Pradesh.

Question 23 :

GV Mavalankar was the Chairman of the _____ of the Constituent Assembly of India.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Ad hoc Committee on the National Flag
2. Committee on the Functions
3. Advisory Committee on Fundamental Rights, Minorities and Tribal and Excluded Areas
4. Order of Business Committee

Solution :

The correct answer is **option 2** i.e. **Committee on the Functions**.

- G.V. Malankar was the Chairman of the **Committee on the Functions** of the Constituent Assembly.
- In 1946, the Constituent Assembly met for the first time in New Delhi in the Constitution Hall which is currently known as the Central Hall of Parliament House. The Constitution of India was drafted by several eminent people in various fields.
- The Constituent Assembly selected 22 committees to deal with diverse tasks of Constitution-making. Out of these, 10 were on procedural affairs and 12 on substantive affairs.



Question 24 :

Which of the following Articles of the Constitution of India deal with the right to equality?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 19 to 22
2. 25 to 28
3. 14 to 18
4. 23 to 24

Solution :

The correct answer is **option 3** i.e. **14 to 18**.

- **Articles 14-18** of the Indian Constitution deals with the Right to Equality.
- **Article 14-** Equality before the law.
- **Article 15-** Prohibition of discrimination.
- **Article 16-** Equality of opportunity in matters of public employment.
- **Article 17-** Abolition of untouchability.
- **Article 18-** Abolition of titles.

Question 25 :

The Swachh Swasth _____ is an initiative to achieve better health outcomes through improved sanitation, increased awareness and healthy lifestyles.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Samagra
2. Sarvatra
3. Sansara
4. Swarga

Solution :

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

- The **Swachh Swasth Sarvatra** is a joint initiative of the Ministry of Health and Family Welfare and the Ministry of Drinking Water and Sanitation to achieve better health outcomes through improved sanitation and increased



awareness and healthy lifestyles.

- It has been launched to strengthen Community Health Centres (CHCs) in 708 Open Defecation Free (ODF) blocks in India to enable them achieve higher levels of cleanliness and hygiene.

Question 26 :

As described in 'Ain-i-Akbari' by Abul Fazl-i-Allami, 'gaz' (unit of measuring length) was divided into equal parts called _____.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. angul
2. rajahkan
3. liksha
4. tassuj

Solution :

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

- As described in 'Ain-i-Akbari' by Abul Fazl-i-Allami, during the period of Mughal Emperor Akbar, 'gaz' was used as the unit of measuring length. Each gaz was divided into 24 equal parts and each part was called **Tassuj**.
- This system was extensively used to measure land pieces, for construction of buildings, houses, wells, gardens and roads.

Question 27 :

In September 2020, Cabinet Committee on Economic Affairs (CCEA) approved increasing MSP of _____ Rabi crops for the marketing season 2021-22.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. four
2. six
3. two
4. eight

Solution :

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



The Cabinet Committee on Economic Affairs (CCEA) approved increasing Minimum Support Prices (MSPs) of six Rabi crops for marketing season 2021-22. This increase in MSP is in line with the recommendations of Swaminathan Commission.

- The government has fixed relatively higher MSP for these crops in view of nutritional requirements and changing dietary pattern and to achieve self-sufficiency in pulses and oilseeds production.
- The highest increase in MSP has been announced for lentil (Rs. 300 per quintal) followed by gram and rapeseed and mustard (Rs. 225 per quintal each) and safflower (Rs. 112 per quintal). For barley and wheat, an increase of Rs. 75 per quintal and Rs 50 per quintal respectively has been announced. The differential remuneration is aimed at encouraging crop diversification.

Question 28 :

The Northeast Canyons and Seamounts Marine National Monument is located in the _____.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Atlantic Ocean
2. Arctic Ocean
3. Red Sea
4. Arabian Sea

Solution :

The correct answer is **option 1** i.e. **Atlantic Ocean**.

- The Northeast Canyons and Seamounts Marine National Monument is located in the **Atlantic Ocean**.
- It is a marine national monument of the United States off the coast of New England, on the seaward edge of Georges Bank.
- It was created by **President Barack Obama** on **September 15, 2016**, as the first U.S. marine national monument.

Question 29 :

In March 2021, Bhavani Devi became the first Indian _____ to qualify for the Olympics.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. swimmer
2. fencer
3. golfer

boxer

Solution :

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

- C.A. Bhavani Devi became the first Indian **fencer** to qualify for the Olympics. She qualified for the Tokyo Olympics through the **Adjusted Official Ranking (AOR) Method**.
- Currently, she is ranked **45th** in the world. She has also won India's first international gold medal in fencing in 2017.

Question 30 :

Ram travelled from a place Z to P at an average speed of 130 km/h. He travelled the first 75% of the distance in two-third of the time and the rest at an average speed of X km/h. The value of $(\frac{x}{2})$ is:

Difficulty : Moderate**Average Time : 58 Seconds****Options :**

1. 97.5
2. 51
3. 48.75
4. 19.25

Solution :

The correct answer is **option 3** i.e. **48.75**

Formula used:

$$\text{Speed} = \frac{\text{distance}}{\text{time}} \quad \text{---- (1)}$$

Calculations:

Let the distance be D km

$$\text{Time taken} = D/130$$

$$75\% \text{ of the distance} = 75\% \text{ of } D = (3/4)D$$

$$\text{Time taken to complete the distance of } D \text{ km} = (D/130) \times (2/3) = D/195$$

$$\text{Remaining distance} = D - (3/4)D = (1/4)D$$

$$\text{Time taken by him to cover the remaining distance} = (D/130) - (D/195) = D/390$$

According to the question:

$$x = (D/4)/(D/390)$$

$$x = 390/4 = 97.5 \text{ km}$$

Hence, The value of $x/2 = 97.5/2 = 48.75$.

Question 31 :

In a circle with centre O, PA and PB are tangents to the circle at point A and Point B, respectively. C is a point on the major arc AB. If $\angle ACB = 50^\circ$, then find the measure of $\angle APB$.

Difficulty : Moderate**Average Time : 66 Seconds****Options :**

1. 100°
2. 50°
3. 80°
4. 90°

Solution :

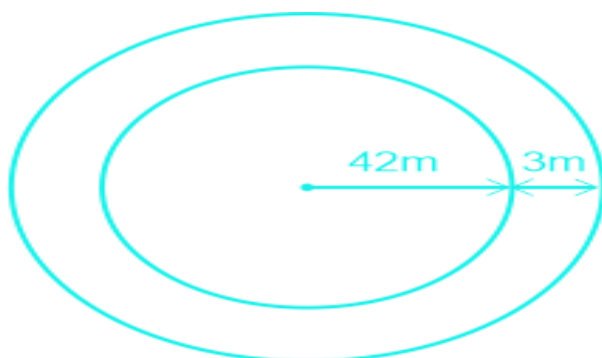
The correct answer is **option 3** i.e. 80°

Given:

PA and PB are tangents to the circle at point A and Point B

C is a point on the major arc AB

$$\angle ACB = 50^\circ$$

Calculations:



$AOB = 2 \times ACB$ (angle subtended by an arc at the centre is twice the angle subtended by it at any part of the circle)

$$AOB = 2 \times 50 = 100$$

Now, take AOBP as a quadrilateral

$$A + AOB + B + P = 360$$

$$90 + 100 + 90 + P = 360$$

$$P = 80^\circ$$

Hence, the measure of APB is 80° .

Question 32 :

Select the most appropriate meaning of the given idiom. Smooth sailing

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Calm weather
2. Comfortable place
3. Easy progress
4. Plain dress

Solution :

The correct answer is **option 3** i.e. **Easy progress**.

- The meaning of the above idiom is '**to be easy and without problems**'.
- Hence, amongst the options given the correct one is **Easy progress**.

Hence, the correct answer is

Easy progress**Question 33 :**

A celt is _____ from the Neolithic period.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. a tomb



a tool

3. a house

4. an urn

Solution :

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

- A celt is a **tool** from the Neolithic period.
- Celt is a polished stone ax or adz head designed for attachment to a wooden shaft and mainly used for felling trees and woodworking.

Question 34 :

Select the most appropriate meaning of the given idiom. On purpose

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Mischievously
2. Intentionally
3. Accidentally
4. Luckily

Solution :

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

- The meaning of the idiom '**On purpose**' is '**deliberately, intentionally**'.

Hence, the correct answer is

Intentionally

Question 35 :

Select the most appropriate synonym of the given word. Saucy

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Polite
2. Cheeky



Tasty

4. Smooth

Solution :

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

- The meaning of **Saucy** is 'lively'.
- The meaning of the options are as follows.

1. **Polite**- having or showing behaviour that is respectful and considerate of other people.
2. **Cheeky**- showing a lack of respect or politeness in a way that is amusing or appealing.
3. **Tasty**- having a pleasant, distinct flavour.
4. **Smooth**- having an even and regular surface

Hence, as per the meaning of the options the correct answer is

Cheeky

Question 36 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. This is one of the most remarkable cases of all others.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. of other all
2. all of others
3. of all
4. No substitution required

Solution :

The correct answer is **option 3** i.e. **of all**.

- In the sentence the speaker talks about one of the cases that was **remarkable**.
- The phrase '**of all**' is used to show something **surprising**.
- In the above sentence the use of '**of all others**' is wrong.

Hence, the correct sentence is

This is one of the most remarkable cases **of all**

Question 37 :

Select the most appropriate ANTONYM of the given word. Pliable

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Even
2. Rigid
3. Smooth
4. Bending

Solution :

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

- The meaning of **Pliable** is '**flexible**'.
- The meaning of the options are as follows.

1. **Even**- flat or equal
2. **Rigid**- not flexible
3. **Smooth**- having an even and regular surface
4. **Bending**- shape or force into a curve or angle

Hence, the correct answer is

Rigid

Question 38 :

Select the option that expresses the given sentence in passive voice. Ask him to leave the room.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. He should be ask to leave the room.
2. He should be asking to leave the room.
3. He should have been asked to leave the room.
4. He should be asked to leave the room.

Solution :

The correct answer is **option 4** i.e. **He should be asked to leave the room**.



- The rules to change active voice into passive are as follows.
- The **subject** will change to **object** and the **object** will change to **subject**.
- The object pronoun 'him' is changed to 'he'.
- The main verb in the active voice will is in the base form V1 will be changed to V3 in the passive voice.
- Hence, **ask** will be changed to **asked**.

Hence, the correct sentence is

He should be asked to leave the room.

Question 39 :

In a right triangle ABC, right angled at B, altitude BD is drawn to the hypotenuse AC of the triangle. If AD = 6cm, CD = 5cm, then find the value of $AB^2 + BD^2$ (in cm).

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. 96
2. 36
3. 66
4. 30

Solution :

The correct answer is **option 1** i.e. **96**

Given:

ABC is a right angled triangle with BD perpendicular to the hypotenuse AC.

AD = 6cm, CD = 5cm

Concept used:

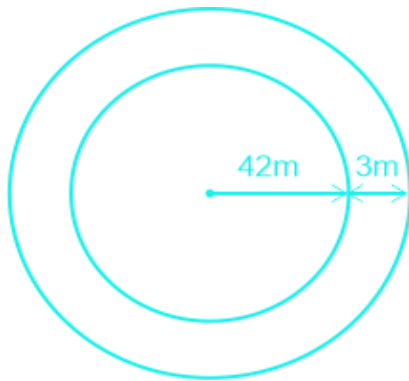
ABC is a right angled triangle at B and BD is perpendicular to AC.

So, $\triangle ABD \sim \triangle ACB \sim \triangle BCD$

We know that, $BD^2 = AD \times DC$ ----- (1)

$AB^2 = AD \times AC$ ----- (2)

Calculations:



Using equation (1), we get

$$BD^2 = AD \times DC$$

$$BD^2 = 6 \times 5 = 30$$

Using equation (2), we get

$$AB^2 = AB \times AC$$

$$AB^2 = 6 \times (AD + CD)$$

$$AB^2 = 6 \times (6 + 5)$$

$$AB^2 = 6 \times 11 = 66$$

Now, the value of $AB^2 + BD^2 = 66 + 30 = 96$ cm

Question 40 :

If $x^2 + \frac{1}{x^2} = 18$, $x > 0$, then find the value of $x^3 + \frac{1}{x^3}$.

Difficulty : Moderate

Average Time : 87 Seconds

Options :

1. $46\sqrt{5}$

2. $34\sqrt{5}$

3. 52

4. $17\sqrt{5}$

Solution :

The correct answer is **option 2** i.e. $34\sqrt{5}$

Formula used:



$$(a + b)^2 = a^2 + b^2 + 2ab \quad \text{---- (1)}$$

$$(a + b)^3 = a^3 + b^3 + 3ab(a + b) \quad \text{----- (2)}$$

Calculations:

Using equation (1), we get

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

$$(x + 1/x)^2 = 18 + 2 = 20$$

$$(x + 1/x) = \sqrt{20}$$

Using equation (2), we get

$$(x + 1/x)^3 = x^3 + 1/x^3 + 3(x + 1/x)$$

$$405 = x^3 + 1/x^3 + 65$$

$$x^3 + 1/x^3 = 345$$

Question 41 :

Study the given graph and answer the question carefully. The bar graph shows the exports of cars type A and type B from year 2014 to 2018. The total exports of cars of type A from 2014 to 2016 is approximately what percentage less than the total exports of cars type B from 2015 to 2017 (correct to one decimal place)?

Difficulty : Moderate**Average Time : 85 Seconds****Options :**

1. 13.8%
2. 10.4%
3. 11.3%
4. 11.7%

Solution :

The correct answer is **option 1** i.e. **13.8%**

Calculations:

The total exports of cars of type A from 2014 to 2016 = 200 + 150 + 275 = 625 million

The total exports of cars type B from 2015 to 2017 = 250 + 200 + 275 = 725 million

Required percentage = $((725 - 625)/725) \times 100 = 13.8\%$

**Question 42 :**

Numbers A and B are 30% and 50%, respectively, more than the number C. The ratio of A to that of B is:

Difficulty : Moderate**Average Time : 41 Seconds****Options :**

1. 5 : 4
2. 4 : 5
3. 13 : 15
4. 15 : 13

Solution :

The correct answer is **option 3** i.e. **13 : 15**

Calculations:

Let the number C be $100x$

$A = 130\%$ of $100x = 130x$

$B = 150\%$ of $100x = 150x$

Required ratio = $130x : 150x$

13 : 15

Question 43 :

Select the option that expresses the given sentence in indirect speech. She said to him, "May God shower His choicest blessings on you!"

Difficulty : Moderate**Average Time : 42 Seconds****Options :**

1. She wished that God might shower His choicest blessings on him.
2. She wished that may God shower your choicest blessings on Him.
3. She wished that God might shower His choicest blessings on you.
4. She wished that God may shower His choicest blessings on you.

Solution :

The correct answer is **option 1** i.e. **She wished that God might shower His choicest blessings on him.**

'Said to him' is a reporting verb and will be changed to 'wished' since, its a prayer.

- The modal verb 'may' will be changed to 'might' in indirect speech.
- As per the **object** of the reporting verb in indirect speech the second person pronoun will be changed to third person pronoun. In this case 'you' will be changed to 'him'.

Hence, the correct sentence is

She wished that God might shower His choicest blessings on him.

Question 44 :

Select the option that expresses the given sentence in passive voice. She is holding free classes for the poor.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Free classes are being held for the poor by her.
2. Free classes have been held for the poor by her.
3. The poor are holding free classes for her.
4. Free classes are being held by the poor for her.

Solution :

The correct answer is **option 1** i.e. **Free classes are being held for the poor by her.**

- The rules to change active voice into passive are as follows.
- The **subject** will change to **object** and the **object** will change to **subject**.
- As the sentence is in present tense hence **be** will be changed to **being** before the main verb.
- In passive voice **free classes** will become the **subject**.
- The verb **holding** will change to **held** in passive voice.

Hence, the correct sentence is

Free classes are being held for the poor by her.

Question 45 :

If $6\tan A (\tan A + 1) = 5 - \tan A$, Given that $0 < A < \frac{\pi}{2}$ what is the value of $(\sin A + \cos A)$?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. $3\sqrt{5}$



$$5\sqrt{3}$$

3. $\frac{5}{\sqrt{3}}$

4. $\frac{3}{\sqrt{5}}$

Solution :

The correct answer is **option 4** i.e. $\frac{3}{\sqrt{5}}$

Formula used:

When a quadratic equation is given i.e. $ax^2 + bx + c = 0$

The roots of the equation are given as:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \quad \text{----- (1)}$$

Calculations:

$$6\tan A(\tan A + 1) = 5 - \tan A$$

$$6\tan^2 A + 6\tan A = 5 - \tan A$$

$$6\tan^2 A + 7\tan A - 5 = 0$$

Using equation (1), we get

$$\tan A = 1/2, -5/3$$

We will take the value of $\tan A = 1/2 = \text{perpendicular/base}$

Now using Pythagoras theorem

$$\text{Hypotenuse}^2 = (4 + 1)$$

$$\text{Hypotenuse} = 5$$

$$\cos A = 2/5 \text{ and } \sin A = 1/5$$

$$(\sin A + \cos A) = 2/5 + 1/5 = 3/5$$

Question 46 :

Find the value of k in the number 3426k if the number is divisible by 6 but NOT divisible by 5.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. 3



9

3. 4

4. 6

Solution :

The correct answer is **option 4** i.e. **6**

Concept used:

A number is divisible by 6 when it is divisible by both 2 and 3. So, the number should have an even last digit and sum of its digit should be divisible by 3.

Calculations:

3426k divisible by 6 which means divisible by 2 and 3

From the options only 4 and 6 can be the value of k.

When $k = 4 = 3 + 4 + 2 + 6 + 4 = 19$ which is not divisible by 3

When $k = 6 = 3 + 4 + 2 + 6 + 6 = 21$ which is divisible by 3

Hence, the value of k is 6.

Question 47 :

The following pie chart shows the distribution of percentage of a certain corporate office employee in various age-groups. Total number of employees of the corporate office = 2500 Study the chart carefully and answer the question that follows. The number of the corporate office employees of age group of 38+ years and above is how much percentage more than that of 28+ to 38 years?

Difficulty : Moderate**Average Time : 67 Seconds****Options :**

1. 150%

2. 120%

3. 20%

4. 80%

Solution :

The correct answer is **option 2** i.e. **120%**

**Calculations:**

Number of the corporate office employees of age group of 28+ to 38 years = 25% of 2500 = 625

Number of the corporate office employees of age group of 38+ years = (30 + 15 + 10)% of 2500

55% of 2500

1375

Required percentage = $(1375 - 625)/625 \times 100 = 120\%$

Question 48 :

A shopkeeper allows a 28% discount on the marked price of an article and still makes a profit of 20%. If he gains Rs 30.80 on the sale of one article, then what is the selling price of the article?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 164.30
2. 154.00
3. 174.80
4. 184.80

Solution :

The correct answer is **option 4** i.e. **184.80**

Given:

A shopkeeper allows a 28% discount on the marked price of an article and still makes a profit of 20%

He gains Rs 30.80 on the sale of one article

Formula used:

Selling price = Cost price + cost price \times profit%

Selling price = Marked price + marked price \times discount%

Calculations:

Let the cost price and marked price be x and y.

Using equation (2)



$$\text{Selling price} = y - y \times 28\% = 0.72y$$

According to the question

$$0.72y = x + x \times 20\%$$

$$0.72y = 1.2x$$

$$0.6y = x$$

Now, we have

$$0.72y = p + 30.8$$

$$0.72y = 0.6y + 30.8$$

$$0.12y = 30.8$$

$$y = 770/3$$

$$\text{Selling price} = 0.72 \times 770/3 = \text{Rs. } 184.8$$

Question 49 :

Simplify the following expression: $\text{cosec}^4A(1 - \cos^4A) - 2\cot^2A - 1$

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. cosec^2A
2. 0
3. \sin^2A
4. 1

Solution :

The correct answer is **option 2** i.e. 0

Formula used:

$$\sin^2A + \cos^2A = 1$$

$$\text{cosec}^2A - \cot^2A = 1$$

Calculations:

$$\text{cosec}^4A(1 - \cos^4A) - 2\cot^2A - 1$$

$$\operatorname{cosec}^4 A((1 - \cos^2 A)(1 + \cos^2 A)) - \cot^2 A - (\cot^2 A + 1)$$

$$\operatorname{cosec}^4 A(\sin^2 A \times (1 + \cos^2 A)) - \cot^2 A - \operatorname{cosec}^2 A$$

$$\operatorname{cosec}^2 A \times (1 + \cos^2 A) - \cot^2 A - \operatorname{cosec}^2 A$$

$$\operatorname{cosec}^2 A + \cot^2 A - \cot^2 A - \operatorname{cosec}^2 A$$

0

Question 50 :

The given bar chart represents the number of television sets (TV) manufactured (in thousands) and the respective percentage of those TV sets sold by five different companies A, B, C, D and E in 2015. Study that chart carefully and answer the question that follows. The average number of TV sets sold by companies C and D is what percentage of the number of TV sets manufactured by company E? Express your answer correct to one decimal.

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. 86.5%
2. 9.1%
3. 92.2%
4. 90.5%

Solution :

The correct answer is **option 4** i.e. **90.5%**

Calculations:

The average number of TV sets sold by companies C and D = $(82\% \text{ of } 70000 + 56\% \text{ of } 85000)/2$

$$105000/2 = 52500$$

The number of TV sets manufactured by company E = 58000

Required percentage = $(52500/58000) \times 100 = 90.51\% \approx 90.5\%$

Question 51 :

If $(0.4x + \frac{1}{x}) = 5$, what is the value of $(0.064x^3 + \frac{1}{x^3})$?

Difficulty : Moderate

Average Time : 41 Seconds

Options :



105

2. 119

3. 125

4. 110

Solution :

The correct answer is **option 2** i.e. **119**

Formula used:

$$(a + b)^3 = a^3 + b^3 + 3ab(a + b) \quad \text{---- (1)}$$

Calculations:

$$(0.4x + \frac{1}{x})^3 = 0.064x^3 + \frac{1}{x^3} + 3 \times 0.4 \times (0.4x + \frac{1}{x})$$

$$5^3 = 0.064x^3 + \frac{1}{x^3} + 3 \times 0.4 \times 5$$

$$125 = 0.064x^3 + \frac{1}{x^3} + 6$$

$$0.064x^3 + \frac{1}{x^3} = 119$$

Question 52 :

Manjeet bought a second-hand motorbike for Rs 22,000 and spent Rs 3,000 on its overhauling and maintenance. He then sold it with 12% profit. If he had sold it for Rs 500 less, then what would have been his profit percentage?

Difficulty : Moderate**Average Time : 65 Seconds****Options :**

1. 10.5%

2. 10%

3. 8%

4. 5%

Solution :

The correct answer is **option 2** i.e. **10%**

Given:

Manjeet bought a second-hand motorbike for Rs 22,000 and spent Rs 3,000 on its overhauling and maintenance.



He then sold it with 12% profit

Formula used:

$$\text{Selling price} = \text{Cost price} + \text{profit} \quad \text{----- (1)}$$

$$\text{Profit} = (\text{Selling price} - \text{cost price}) / \text{cost price} \times 100 \quad \text{----- (2)}$$

Calculations:

$$\text{Total cost price} = 22000 + 3000 = 25000$$

Using equation (1)

$$\text{Selling price} = 25000 + 25000 \times 0.12 = 28000$$

He then sold the bike at Rs 500 less

$$\text{Selling price} = 28000 - 500 = 27500$$

Using equation (2), we get

$$\text{Required profit percentage} = (27500 - 25000) / 25000 \times 100 = 10\%$$

Question 53 :

What is the least square number which is divisible by 2, 3, 10, 18 and 20?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 30
2. 180
3. 196
4. 900

Solution :

The correct answer is **option 4** i.e. **900**

Concept used:

LCM of the numbers.

Calculations:

$$\text{LCM of 2, 3, 10, 18 and 20} = 180$$

$$180 = 2^2 \times 3^2 \times 5$$

To make the number a perfect square 180 should be multiplied by 5

Therefore, the least square number which is divisible by 2, 3, 10, 18 and 20 = 900

Question 54 :

80% and 90% pure acid solutions are mixed to obtain 20liters of 87% pure acid solutions. Find the quality (in liters) of 80% pure acid solution taken to form the mixture.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

- 1. 8
- 2. 6
- 3. 9
- 4. 4

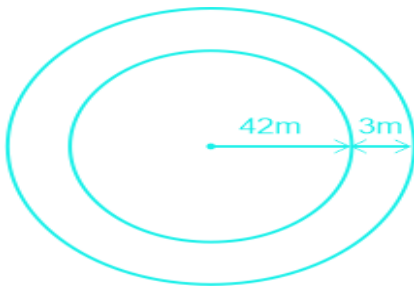
Solution :

The correct answer is **option 2** i.e. 6

Concept used:

Alligation method

Calculations:



Quantity of 80% pure acid = $20 \times (3/10) = 6$ liters

Question 55 :

The number of cars passing the road near a colony from 6 am to 12 noon has been shown in the following histogram. What is the minimum change percentage in the number of cars in companies to the previous hour? (Correct to 2 decimal places)



Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 10.52%
2. 15.25%
3. 11.54%
4. 23.81%

Solution :

The correct answer is **option 3** i.e. **11.54%**

Calculations:

Percentage change in the number of cars between 6am and 7am = $(105 - 70)/70 \times 100 = 50\%$

Percentage change in the number of cars between 7am and 8am = $(130 - 105)/105 \times 100 = 23.8\%$

Percentage change in the number of cars between 8am and 9am = $(115 - 130)/130 \times 100 = -11.54\%$

Percentage change in the number of cars between 9am and 10am = $(95 - 115)/115 \times 100 = -17.39\%$

Percentage change in the number of cars between 10am and 11am = $(45 - 95)/95 \times 100 = -52.6\%$

Minimum change percentage in the number of cars in companies to the previous hour is 11.54%

Question 56 :

Select the most appropriate ANTONYM of the given word. Brittle

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Crumbling
2. Fragile
3. Durable
4. Frail

Solution :

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

- The meaning of **Brittle** is 'hard but liable to break easily'.



The meaning of the options are as follows.

1. **Crumbling**- breaking or falling apart into small fragments
2. **Fragile**- easily broken or damaged
3. **Durable**- able to withstand wear, pressure, or damage
4. **Frail**- weak and delicate.

Hence, as per the meanings the correct antonym is

Durable

Question 57 :

The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. This hall is / badly to need / of repair.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. This hall is
2. badly to need
3. No error
4. of repair

Solution :

The correct answer is **option 2** i.e. **badly to need**.

- In the above sentence the use of the preposition '**to**' is wrong.
- Instead of '**to**' '**in**' will be used.
- The preposition '**in**' is used to show the condition of something.

Hence the correct sentence is

This hall is badly **in** need of repair.

Question 58 :

A college hostel mess has provisions for 25 days for 350 boys. At the end of 10 days, when some boys were shifted to another hostel, it was found that now the provisions will last for 21 more days. How many boys were shifted to another hostel?

Difficulty : Moderate

Average Time : 58 Seconds

**Options :**

1. 92
2. 110
3. 98
4. 100

Solution :

The correct answer is **option 4** i.e. **100**

Formula used:

Available provision = Number of days × Number of boys

Calculations:

Using equation (1),

Available provision = $25 \times 350 = 8750$ units

Remaining provision after 10 days = $8750 - 10 \times 350 = 5250$ units

Let x be the number of boys shifted to another hostel

$$(350 - x) \times 21 = 5250$$

$$350 - x = 250$$

$$x = 100$$

Question 59 :

A triangle with the lengths of its sides proportional to the numbers 7, 24 and 30 is:

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. right angled
2. acute angled
3. obtuse angled
4. not possible

Solution :

The correct answer is **option 3** i.e. **obtuse angled**

Concept used:

Let a, b and c be the sides of the triangle if

$a^2 + b^2 < c^2$ then the triangle is obtuse.

Calculations:

Let the sides of the triangle be 7x, 24x and 30x

$$(7x)^2 + (24x)^2 < (30x)^2$$

$$49x^2 + 576x^2 < 900x^2$$

$$625x^2 < 900x^2$$

Hence, we can conclude that the triangle is obtuse angled.

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 number. I decided to stay away from television (1) _____ a whole year. After a week, I started feeling (2) _____. But, my friend Bess cheered me up. She (3) _____ me every day and would take me places. It was (4) _____ how much fun we had without TV. My life had become more (5) _____ without the good old idiot box.

Question 60 :

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

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. unhealthy
2. unbelievable
3. unlimited
4. unlucky

Solution :

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

- The above sentence talks about the fun they had without habit of watching Tv.
- The meaning of **unbelievable** is 'extraordinary'.

As per the passage the change in the life was positive.

Hence, the correct answer is

unbelievable

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 number. I decided to stay away from television (1) _____ a whole year. After a week, I started feeling (2) _____. But, my friend Bess cheered me up. She (3) _____ me every day and would take me places. It was (4) _____ how much fun we had without TV. My life had become more (5) _____ without the good old idiot box.

Question 61 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. certain
2. boring
3. exciting
4. popular

Solution :

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

- In the above sentence the speaker is talking about her life after leaving the habit of watching television.
- The change which she observed in her life after leaving the habit is a good one.
- The meaning of the options are as follows.

1. **certain**- specific but not explicitly named or stated.
2. **boring**- not interesting
3. **exciting**- causing great enthusiasm and eagerness.
4. **popular**- liked or admired by many people or by a particular person or group.

Hence as per the meaning of the options the most suitable answer is **exciting** as her life became more enjoyable.

Hence the correct answer is-

exciting

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 number. I decided to stay away from television (1) _____ a whole year. After a week, I started feeling (2) _____. But, my friend Bess cheered me up. She (3) _____ me every day and would take me places. It was (4) _____ how much fun we had without TV. My life had become more (5) _____ without the good old idiot box.

Question 62 :

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

Difficulty : Moderate

Average Time : 90 Seconds

Options :

1. depressed
2. devoted
3. deceived
4. delighted

Solution :

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

- This part of the passage talks about how her life became monotonous after leaving the habit of watching television.
- The meaning of **depressed** is '**a state of unhappiness**'.

Hence, the correct answer is

depressed

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 number. I decided to stay away from television (1) _____ a whole year. After a week, I started feeling (2) _____. But, my friend Bess cheered me up. She (3) _____ me every day and would take me places. It was (4) _____ how much fun we had without TV. My life had become more (5) _____ without the good old idiot box.

Question 63 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

requested

2. attended

3. encouraged

4. thanked

Solution :

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

- This part of the passage talks about how her friend helped her in leaving this habit of hers.
- The meaning of **encouraged** is 'give support'.
- The sentence talks about her friend helping her in leaving the habit by taking her places.

Hence, the correct answer is

encouraged

Question 64 :

The Union Budget 2021–22 has recommended a voluntary scrapping policy for vehicles based on fitness tests after a period of _____ years for personal vehicles.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 15

2. 20

3. 10

4. 25

Solution :

The correct answer is **option 2** i.e. **20**.

- The Union Budget 2021-22 has recommended a voluntary scrapping policy for vehicles based on fitness tests after a period of **20** years for personal vehicles.
- While commercial vehicles would require it after completion of 15 years.
- The policy will help in encouraging fuel-efficient, environment-friendly vehicles, thereby reducing vehicular pollution and oil import bill.

Question 65 :

In order to prevent tooth decay safely and effectively by making use of water, it is subject to which of the following



processes?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Iodisation
2. Chlorination
3. Carbonisation
4. Fluoridation

Solution :

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

- **Fluoridation** is the process of adjusting the amount of fluoride in drinking water to a level recommended for preventing tooth decay.
- It has been identified as the most cost-effective method of delivering fluoride to all, reducing tooth decay by 25% in children and adults.

Question 66 :

The value of: $[25 + 8 \div 2 - \{16 + (14 \text{ of } 7 \div 14) - (18 \div 12 \text{ of } (\frac{1}{2}))\}] = ?$

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 6
2. 12
3. 9
4. 3

Solution :

The correct answer is **option 3** i.e. **9**

Concept used:

BODMAS rule

B = Bracket



O = Of

D = Division

M = Multiplication

A = Addition

S = Subtraction

Calculations:

$$\{(25 + 4 - \{16 + \{98 \over 14\} - \{18 \over 6\}\})\}$$

$$29 - \{16 + 7 - 3\}$$

$$(29 - (23 - 3))$$

$$29 - 20 = 9$$

Hence the value of $[25 + 8 \div 2 - \{16 + (14 \text{ of } 7 \div 14) - (18 \div 12 \text{ of } \frac{1}{2})\}]$ is 9.

Question 67 :

Select the most appropriate option to fill in the blank. The latest _____ I have bought is a dishwasher.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. gadget
2. apparatus
3. tool
4. implement

Solution :

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

- The meaning of the options are as follows.
 1. **gadget**- a small device or machine with a particular purpose
 2. **apparatus**- the technical equipment or machinery needed for a particular activity or purpose
 3. **tool**- used to carry out a particular function
 4. **implement**- a tool, utensil, or other piece of equipment that is used for a particular purpose.
- As the above sentence talks about a particular function of **dishwashing**.



Hence, the correct answer is

gadget

Question 68 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Irrelevant
2. Beggining
3. Location
4. Necessary

Solution :

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

- The correct spelling of **Beggining** is '**Beginning**'.
- All the other options are spelt correctly.

Hence, the correct answer is

Beggining

Question 69 :

Identify the segment in the sentence which contains the grammatical error. Alex picked up the boxes quite easily even they were heavy.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. the boxes
2. even they were heavy
3. quite easily
4. Alex picked up

Solution :

The correct answer is **option 2** i.e. **even they were heavy**.



In the above sentence we need to use **'even though'** as a **conjunction**.

- It is a **subordinate conjunction** which makes the fact in the main clause look **surprising**.

Hence, the correct sentence is

Alex picked up the boxes quite easily **even though** they were heavy.

Question 70 :

Identify the segment in the sentence which contains a grammatical error. My friends are gone on a trip to Goa today.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. to Goa today
2. My friends
3. are gone
4. on a trip

Solution :

The correct answer is **option 3** i.e. **are gone**.

- The above sentence is in **present tense**.
- In present tense, the **past participle** form of the verb i.e. **'gone'** in this case can't be used.
- In this case the **gerund** form of the verb i.e. **'going'** will be used.

Hence, the correct sentence is

My friends are **going** on a trip to Goa today.

Question 71 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. As I am hearing the lecture it reminded me of a book I had read two years ago.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. No substitution required



When I hear

3. As I have heard

4. As I heard

Solution :

The correct answer is **option 4** i.e. **As I heard**.

- **Past perfect tense** is used to show **two events happened in the past one after the other**.
- There are **two events** in the sentence amongst them one is more recent than the other.
- Hence, '**As I heard** will be used in the beginning of the sentence.

Hence, the correct sentence is

As I heard the lecture it reminded me of a book I had read two years ago.

Question 72 :

The tops of two poles of heights 18m and 30.5m are connected by a wire. If the wire makes an angle of 30° with the horizontal, what is the length (in m) of the wire?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 20

2. 28

3. 36

4. 25

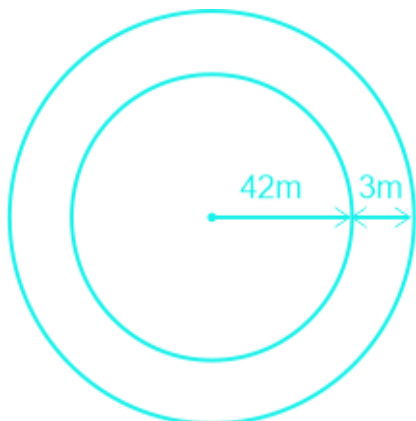
Solution :

The correct answer is **option 4** i.e. **25**

Formula used:

$\sin = \text{perpendicular/hypotenuse}$ ---- (1)

Calculations:



Here, AB and CD are the heights of towers and AC is the length of wire.

We know that $CD = BE$ and $AE = 12.5$ m

Using equation (1) in triangle AEC

$$\sin 30 = AE/AC$$

$$1/2 = 12.5/AC$$

$$AC = 25 \text{ m}$$

Hence, the length of the wire is 25 m.

Question 73 :

The average of eleven consecutive positive integers is d. If the last two numbers are excluded, by how much will the average increase or decrease?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. will increase by 1
2. will increase by 2
3. will decrease by 1
4. will decrease by 2

Solution :

The correct answer is **option 3** i.e. **will decrease by 1**

Concept used:

$(\text{Average} = \frac{\text{Total terms}}{\text{Number of terms}})$

Calculations:

Let the first integer be x and average be d

According to the question:

$$x + (x + 1) + (x + 2) + \dots + (x + 10) = 11 \times d$$

$$11x + 55 = 11 \times d$$

$$x + 5 = d$$

$$x = d - 5$$

Let the new average be A

$$x + (x + 1) + (x + 2) + \dots + (x + 8) = 9 \times A$$

$$9x + 36 = 9 \times A$$

$$x + 4 = A$$

$$d - 5 + 4 = A$$

$$A = d - 1$$

Hence, the new average will decrease by 1.

Question 74 :

Points A and B are on circle with centre O . PA and PB are tangents to the circle from an external point P . If PA and PB are inclined to each other at 42° , then find the measure of OAB .

Difficulty : Moderate

Average Time : 73 Seconds

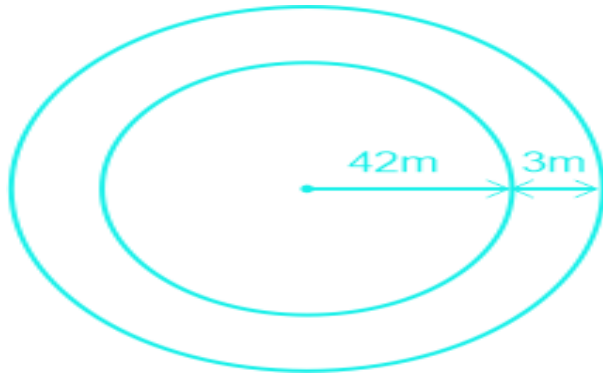
Options :

1. 42°
2. 69°
3. 21°
4. 25°

Solution :

The correct answer is **option 3** i.e. 21°

Calculations:



Consider the quadrilateral AOBP in which

$A + O + B + P = 360$ (sum of internal angles of a quadrilateral is 360)

$$90 + O + 90 + 42 = 360$$

$$O = 360 - 90 - 90 - 42 = 138$$

Triangle OAB is an isosceles triangle as $OA = OB$ (radius of circle)

$$O + OAB + OBA = 180 \text{ (} OAB = OBA = x \text{)}$$

$$138 + 2x = 180$$

$$2x = 42$$

$$x = 21$$

Hence, $\angle OAB$ is 21°

Question 75 :

Select the most appropriate synonym of the given word. Robust

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. round
2. sturdy
3. small
4. weak

Solution :

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

- The meaning of the word '**Robust**' is '**strong and healthy**'.
- The meaning of the options are as follows.

1. **round**- shaped like a circle
2. **sturdy**- strongly and solidly built.
3. **small**- of a size that is less than normal or usual.
4. **weak**- lacking the power to perform physically demanding tasks

Hence, as per the meanings the correct synonym is

sturdy

Question 76 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Pediculate 2. Pandemonium 3. Pancytopenia 4. Panelist 5. Panegyric

Difficulty : Moderate

Average Time : 60 Seconds

Options :

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

Solution :

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

In this question, you need to arrange the words as they would appear in the English dictionary.

So the arrangement is;

1. Pancytopenia
2. Pandemonium
3. Panegyric
4. Panelist
5. Pediculate

**Question 77 :**

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

Difficulty : Moderate**Average Time : 45 Seconds****Options :**

1. QOJ
2. YXS
3. RQL
4. SRM

Solution :

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

The logic used here is:

1st letter - 1 = 2nd letter

2nd letter - 5 = 3rd letter

Option 1: QPJ

Q - 1 = P

P - 5 = K

This does not follow the logic.

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

Question 78 :

Prakash, Qadir, Ramesh, Saurabh, and Tariq are friends. Ramesh is taller than Qadir but shorter than Saurabh. Prakash is the shortest, and Tariq is taller than Saurabh. Who is the tallest among them?

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

1. Qadir
2. Saurabh
3. Tariq



Ramesh

Solution :

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

According to the question, the arrangement is as follows:

1. Tariq
2. Saurabh
3. Ramesh
4. Qadir
5. Prakash

From the above arrangement, Tariq is the tallest among them.

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

Question 79 :

The inner circumference of a circular path enclosed between two concentric circles is 264m. The uniform width of the circular path is 3m. What is the area (in m²), to the nearest whole number of the path? (Take $\pi = \frac{22}{7}$)

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 820
2. 756
3. 696
4. 948

Solution :

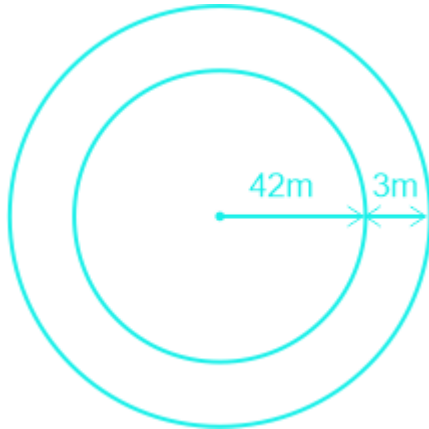
The correct answer is **option 1** i.e. **820**

Formula used:

Circumference of circle = $2\pi r$

Area of circle = πr^2

Calculations:



According to the question:

$$2r = 264$$

$$r = 264/2$$

$$42 \text{ m}$$

As we know that, width is 3 m

So the outer radius is = $42 + 3 = 45 \text{ m}$

$$\text{Area of circular path} = (45^2 - 42^2)$$

$$(261) = 820.28 \text{ (simeq)} 820 \text{ m}^2.$$

Question 80 :

The difference between compound interest compounded annually and simple interest on a certain sum at a rate of 15% per annum for 2 years is Rs 1,944. Find the compound interest compounded annually on the same sum for the same period at a rate of 10% per annum.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 27216
2. 18060
3. 18144
4. 20500

Solution :



The correct answer is **option 3** i.e. **18144**

Given:

The difference between compound interest compounded annually and simple interest on a certain sum at a rate of 15% per annum for 2 years is Rs 1,944

Formula used:

$$SI = PRT/100$$

$$A = P + SI$$

$$A = P(1 + R/100)^T \quad \text{----- (2)}$$

Where, P = principal, R = rate of interest, T = time period, A = Amount and SI = Simple interest

Calculations:

Let the Principal be x

Using equation (2), we get

$$x(1 + 15/100)^2 - x = (x \times 15 \times 2) + 1944$$

$$0.0225x = 1944$$

$$x = 1944/0.0225 = 86400$$

Now the compound interest when rate is 10% in same time

$$86400(1 + 10/100)^2 - 86400$$

$$18144$$

Question 81 :

Who among the following was nominated for the 30th GD Birla Award for Scientific Research for his/her outstanding contribution to engineering science in April 2021?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. Sanjay Mittal
2. Chandrima Saha
3. Rajeev Kumar Varshney



Suman Chakraborty

Solution :

The correct answer is **option 4** i.e. **Suman Chakraborty**.

- Professor **Suman Chakraborty** was nominated for the 30th GD Birla Award for Scientific Research for his outstanding contribution to engineering science in April 2021.
- He is a faculty member at the Indian Institute of Technology (IIT), Kharagpur's department of mechanical engineering.
- The award instituted in **1991**, is given by **KK Birla Foundation**.
- The award recognises eminent Indian scientists below the age of 50 for their original and outstanding contributions to any branch of science or technology.

Question 82 :

Which of the following does NOT belong to 'Kingdom Fungi'?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. **Aspergillus**
2. **Euglena**
3. **Mucor**
4. **Rhizopus**

Solution :

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

- **Euglena** does not belong to 'Kingdom Fungi'.
- It belongs to the '**Kingdom Protista**'.
- It is a type of euglenoid. Euglenoids are unicellular microorganisms, that have a flexible body and possess the characteristic features of plants and animals.
- Euglena has plastids and performs photosynthesis in light, but moves around in search of food using its flagellum at night.
- There are around 1000 species of Euglena and are found in freshwater, saltwater, marshes and also in moist soil.

Question 83 :

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

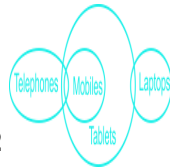
Difficulty : Moderate

Average Time : 58 Seconds

Options :

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

Solution :



The correct answer is **option 2**.

The logic used here is:

1. The shaded triangle is increasing by one in the next figure.
2. The half-shaded triangle is rotating by 90 degrees in the clockwise direction.
3. The '&' symbol is moving from corner to corner in a clockwise direction.

The series of figures:



Question 84 :

Select the number from among the given options that can replace the question mark (?) in the following series. 18, 34, 66,

130,?

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. 232
2. 178
3. 273
4. 258

Solution :

The correct answer is **option 4** i.e. **258**.

Given series: 18, 34, 66, 130,?

The series follows this pattern:

$$18 \times 2 - 2 = 36 - 2 = 34$$

$$34 \times 2 - 2 = 68 - 2 = 66$$

$$66 \times 2 - 2 = 132 - 2 = 130$$

$$130 \times 2 - 2 = 260 - 2 = 258$$

So, the next term in the series is **258**.

Question 85 :

Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it. $\begin{matrix} 9 & 7 & 9 & 5 & 4 & 7 & 43 & 26 & ? \end{matrix}$

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 48
2. 29
3. 61
4. 35

Solution :



The correct answer is **option 3** i.e. **61**.

The logic used here is:

Column 1: $9 \times 5 - 2 = 45 - 2 = 43$

Column 2: $7 \times 4 - 2 = 28 - 2 = 26$

Column 3: $9 \times 7 - 2 = 63 - 2 = 61$

Question 86 :

The radius of a circle is 90 cm. If the radius of this circle is increased to 99 cm, then what will be the percentage increase in the area of this circle?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 25%
2. 20%
3. 21%
4. 22.5%

Solution :

The correct answer is **option 3** i.e. **21%**.

Let the radius of the circle be $10x$ units.

Then area of circle = $\pi r^2 = \pi 100x^2$ units

Now as the radius is increased from 90cm to 99cm i.e. $1/10$ th part

Hence new assumed radius = $10x + 1x = 11x$

New assumed area = $\pi r^2 = \pi 121x^2$ units

Percentage increase in area = $\frac{\pi (121x^2 - 100x^2)}{\pi 100x^2} \times 100 = 21/100 \times 100 = 21\%$

Question 87 :

In a certain code language, 'FILE' is coded as 8357 and 'SINK' is coded as 9364. How will 'NIKE' be coded in that language?

Difficulty : Moderate

Average Time : 63 Seconds



Options :

1. 6473
2. 6347
3. 3647
4. 6437

Solution :

The correct answer is **option 2** i.e. **6347**.

The logic used here is:

'FILE' is coded as 8357 and 'SINK' is coded as 9364

F = 8

I = 3

L = 5

E = 7

S = 9

I = 3

N = 6

K = 4

Similarly;

Code for the word NIKE:

N = 6

I = 3

K = 4

E = 7

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

Question 88 :

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

CARNATIC: SBDMZDJU:: FREEDOMS:?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

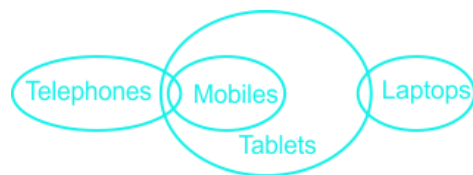
1. GSFVWPEP
2. FSGVXPNP
3. FSGVWTNP
4. FSGUNPEV

Solution :

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

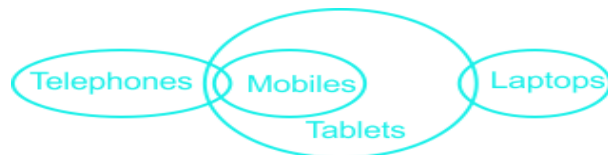
The logic used here is:

CARNATIC: SBDMZDJU



Similarly,

FREEDOMS:?



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

Question 89 :

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

Difficulty : Moderate

Average Time : 51 Seconds

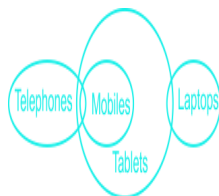
Options :

- 1.

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

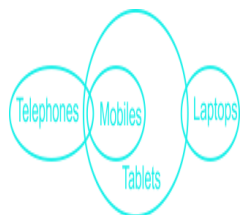


Solution :



The correct answer is **option 3**.

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



Question 90 :

Vijendra walks a certain distance, say X meters, from his home towards the west. Then he turns left and walks 23 meters. After that, he turns left and walks 36 meters. Then he turns left again to walk 23 meters. He finally turns left and walks 18 meters to reach his home. Find the value of X .



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Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. 41

2. 18

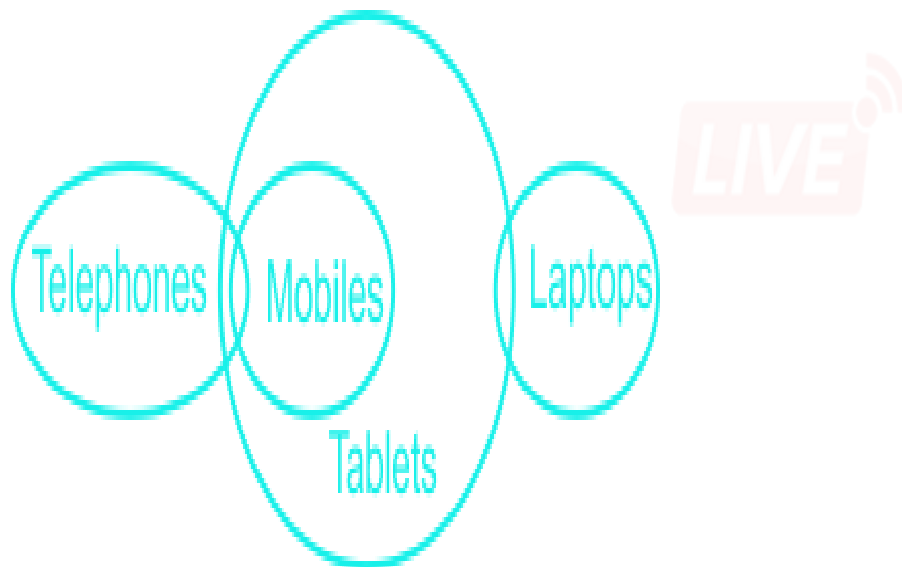
3. 22

4. 20

Solution :

The correct answer is **option 2** i.e. 18.

Using the above information we can draw the following diagram:



From the figure,

$$AD = BC$$

$$AD = AH + HD$$

$$36 = x + 18$$

$$x = 18 \text{ mts}$$

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

Question 91 :

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

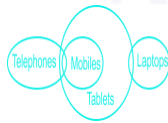
Average Time : 53 Seconds

Options :

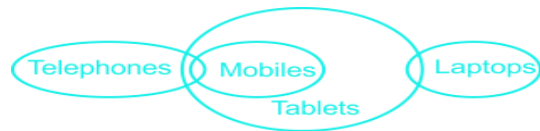
- 1.
- 2.
- 3.
- 4.

Solution :

The correct answer is **option 4**



After unfolding, the paper will appear as follows:



Question 92 :

Select the number from among the given options that can replace the question mark (?) in the following series. 38, 53, 70, 89, ?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 124
2. 98
3. 110



92

Solution :

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

Given series: 38, 53, 70, 89, ?

The series follows the pattern:

$$38 + 15 = 53$$

$$53 + 17 = 70$$

$$70 + 19 = 89$$

$$89 + 21 = 110$$

So, the next term in the series is **110**.

Question 93 :

Select the option that is related to the third number in the same way as the second number is related to the first number.

147: 222:: 158:?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 287

2. 225

3. 233

4. 264

Solution :

The correct answer is **option 3** i.e. **233**.

The logic used here is:

$$147: 222$$

$$147 + 75 = 222$$

Similarly,

$$158: ?$$



$$158 + 75 = 233$$

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

Question 94 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and make the given equation correct. $22 * 110 * 392 * 49 * 18 * 12$

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. +, ÷, =, -, ×
2. +, =, ÷, ×, -
3. =, -, +, ÷, ×
4. =, ×, +, ÷, -

Solution :

The correct answer is **option 2** i.e. +, =, ÷, ×, -.

Given equation: $22 * 110 * 392 * 49 * 18 * 12$

Let us check all the options:

Option 1: +, ÷, =, -, ×

The expression becomes:

$$= 22 + 110 \div 392 = 49 - 18 \times 12$$

$$= 22.28 \text{ is not equal to } -167.$$

Option 2: +, =, ÷, ×, -

The expression becomes:

$$= 22 + 110 = 392 \div 49 \times 18 - 12$$

$$= 132 \text{ is equal to } 132.$$

As we have found our answer, we need not check the other options.

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

Question 95 :

In a certain code language, 'NORMAL' is written as 'DIPKRO' and 'SOUND' is written as 'GKRFX'. How will 'CLUSTER' be



written in that language?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. **FBOOVQX**
2. **BFOVOXQ**
3. **FOBOQVX**
4. **BFOOVQX**

Solution :

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

The logic used here is:

'NORMAL' is written as 'DIPKRO'

First, arrange the word in alphabetical order.

NORMAL = ALMNOR

A + 3 = D

L - 3 = I

M + 3 = P

N - 3 = K

O + 3 = R

R - 3 = 15

Similarly;

Code for the word CLUSTER:

CLUSTER = CELRSTU

C + 3 = F

E - 3 = B

L + 3 = O

R - 3 = O

$$S + 3 = V$$

$$T - 3 = Q$$

$$U + 3 = X$$

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

Question 96 :

Vinita and Amita are the sisters of Gaurav. Ashish is the father of Vinita. Ansh is the son of Amita. How is Ashish related to Ansh?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

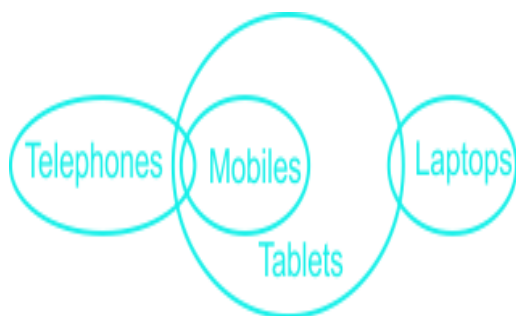
1. Maternal uncle
2. Maternal grandfather
3. Paternal grandfather
4. Paternal uncle

Solution :

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

In the diagram shown;

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



From the above figure, Ashish is the maternal grandfather of Ansh.

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

Question 97 :

Which two signs need to be interchanged to make the following equation correct? $189 \div 27 \quad 3 + 29 \times 2 = 48$



Difficulty : Moderate

Average Time : 55 Seconds

Options :

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

Solution :

The correct answer is **option 1** i.e. **and \times** .

Given equation: $189 \div 27 \times 3 + 29 \times 2 = 48$

Let us check all the options:

Option 1: and \times

The expression becomes:

$$= 189 \div 27 \times 3 + 29 \times 2 = 48$$

$= 48$ is equal to 48.

As we have found our answer, we need not check the other options.

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

Question 98 :

A cube of side 18 cm is painted yellow on all the faces and then cut into smaller cubes of sides 3 cm each. Find the number of smaller cubes that have only two faces painted.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 48
2. 20
3. 64
4. 36

Solution :

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

Cube is divided into $18/3 = 6$ cubes

So, $n = 6$

The number of smaller cubes that have only two faces painted = $12(n - 2) = 12(6 - 2) = 12(4) = 48$

Question 99 :

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: Some telephones are mobiles. All mobiles are tablets. Some tablets are laptops. Conclusions: I. Some mobiles are laptops. II. All telephones are tablets. III. Some telephones are tablets.

Difficulty : Moderate

Average Time : 51 Seconds

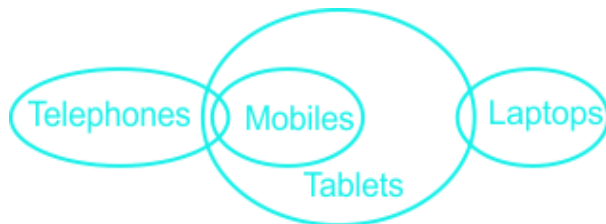
Options :

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

Solution :

The correct answer is **option 3** i.e. **Only conclusion III follows**.

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

**Conclusions:**

I. Some mobiles are laptops **False** (It is possible, but no definite conclusion can be drawn).

II. All telephones are tablets **False** (It is possible, but no definite conclusion can be drawn).

III. Some telephones are tablets **True** (As some telephones are mobiles, and all mobile are tablets, and some tablets are laptops, so some telephones are tablets.)

Hence, **Only conclusion III follows.**

Question 100 :

The National Rail Plan announced in the Union Budget of 2021-22 aims to create a future ready railway system by which of the following years?

Difficulty : Moderate**Average Time : 76 Seconds****Options :**

1. 2024
2. 2030
3. 2025
4. 2029

Solution :

The correct answer is **option 2** i.e. **2030**.

- The National Rail Plan announced in the Union Budget of 2021-22 aims to create a future ready railway system by **2030**.
- The National Rail Plan for India 2030 will create a future-ready railways system and bring down the logistic cost for industry to enable 'Make in India'.
- 'Make in India' is a Government scheme launched by Prime Minister Narendra Modi in 2014 intended to boost the domestic manufacturing sector and also augment investment into the country.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-20 in the Morning exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from General Awareness, 25 questions were asked from Logical Reasoning, 25 questions were asked from English Language and 25 questions were asked from Quantitative Aptitude
4. 16 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic



Wise Weightage

General Awareness

1. NDA GK - 25

Logical Reasoning

1. Coding Decoding - 3
2. Analogy - 2
3. Classification - 1
4. Seating Arrangement - 1
5. Blood Relations - 1
6. Distance And Direction - 1
7. Syllogism - 1
8. Venn Diagrams - 1
9. Dictionary Based - 1
10. Figure Based - 3
11. Matrix - 1
12. Series - 6
13. Mathematical Reasoning - 2
14. Cubes And Dice - 1

English Language

1. Comprehensive - 5
2. Spotting Error - 5
3. Parajumbles - 1
4. Idioms - 2
5. One Word Substitution - 2
6. Voice - 2
7. Parts Of Speech - 1
8. Sentence Improvement - 1
9. Synonym - 2
10. Antonym - 2
11. Filler (Vocab) - 1
12. Incorrectly Spelt - 1
13. Incorrectly Spelt - 1

Quantitative Aptitude

1. Simplification - 1
2. Average - 1
3. Data Interpretation - 4
4. Time Speed And Distance - 1
5. Interest - 1
6. Ratios And Proportion - 1
7. Geometry - 4
8. Trigonometry - 3
9. Mensuration - 1
10. Algebra - 3
11. Number System - 2
12. Mixtures And Alligations - 1
13. Profit And Loss - 1
14. Comparison Of Quantities - 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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Logical Reasoning
English Language
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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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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.