Agniveer Vayu Other than Science (Group Y) - 13 July 2021 - Memory Based Paper

English

Question 1

Direction - Choose the correct "Noun Form" of the given word.

Congratulate

Options:

A. Congratulated

B. Congratulation

C. Congratulates

D. Congratulating

Answer: B

Solution:

The correct answer is **'Congratulation'.**

🔑 Key Points

- '**When you congratulate** someone on something, you give them your **good wishes** because something special or pleasant has happened to them.
  - **For example,** I'd like to **congratulate** you on your marriage.**'**
- '**Congratulate**' is a verb form used in **the present tense with 'I/you/we/they'.**
- '**Congratulates**' is a verb form used in **the present tense with 'he/she/it'.**
- '**Congratulated**' is a verb form used in **the past tense.**
- '**Congratulating**' is a **present participle** used in the present continuous tense.
- '**Congratulation**' is a **noun form.**
- Therefore, from the given explanation, we can understand that **option 2** is the correct answer.

🅰️ Hinglish

- **'Congratulate'** एक **verb form**है जिसका प्रयोग वर्तमान काल में **"I/you/we/they'**के साथ किया जाता है।
- **'Congratulates'** एक **verb form** है जिसका उपयोग वर्तमान काल में **'he/she/it'** के साथ किया जाता है।
- **'Congratulated'** भूतकाल में प्रयुक्त **verb form**है।
- **'Congratulating'** एक **present participle** है जिसका उपयोग **present continuous tense** में किया जाता है।
- **'Congratulation'** एक **noun form**है।
- इसलिए, दिए गए स्पष्टीकरण से, हम समझ सकते हैं कि **option2** सही उत्तर है।

Question 2

Direction - Fill in the blank with the correct answer.

Besides his parents, he _____ also present at the function.

Options:

A. were

B. had

C. have

D. was

Answer: D

Solution:

The correct answer is **'was'.**

🔑 Key Points

- In the given sentence, the subject **'he'** is **singular**.
- According to **the subject-verb-agreement rule**, **a singular subject** should be followed by **a singular verb** and a plural subject should be followed by a plural verb.
- Thus, options **'have'** and **'were'** get eliminated as they are **plural in form.**
- **'had'** also gets eliminated as'has/have' forms are always followed by the **V3 form of the verb** whereas we have the V1 form of the verb (present) in the given sentence.
- **'was'** fits correctlyin the given blank as it is **a singular verb.**
- Therefore, **option 4** is the correct answer.

🅰️ Hinglish

- दिए गए वाक्य में, subject **'he'** एकवचन है।

- **Subject-verb-agreement**नियम के अनुसार, एकवचन **subject** के बाद एकवचन **verb** होनी चाहिए और बहुवचन **subject** के बाद बहुवचन **verb** होनी चाहिए।
- इस प्रकार, options **'have'** और **'were' eliminate**हो जाते हैं क्योंकि वे बहुवचन रूप में होते हैं।
- **'had'** भी समाप्त हो जाता है क्योंकि **'has/have'** रूप हमेशा **subject** के वी **V3**रूप के बाद होते हैं जबकि हमारे पास दिए गए वाक्य में verb(present) का V1 रूप होता है।
- दिए गए blank स्थान में **'was'** सही बैठता है क्योंकि यह एकवचन क्रिया है।
- अतः **option 4** सही उत्तर है।

Question 3

Fill in the blankwith the correct article.

_____ thingof beauty is a joy forever.

Options:

A. The

B. A

C. An

D. No article

Answer: B

Solution:

The correct answer is '**A**'.

🔑 Key Points

- **'Athing of beauty is a joy forever'** is a proverb which means **'a beautiful object, natural or artificial, makes a person happy for a long time even if its beautify fades, or put into different circumstances.'**
- **Examples,**
  - Thoughts of blooming flowers sustain me through the cold winter months. Truly, **a thing of beauty is a joy forever.**
  - While antiques can often be expensive, I like to purchase them because **athing of beauty is a joy forever.**
- From the given meaning and examples, we can understand that article '**a**' fits correctly in the blank.
- Therefore, **option 2** is the correct answer.

Complete Sentence:*A thing of beauty is a joy forever.*

Question 4

Choose the word that can substitute the given sentence.

An accident that results in death

Options:

A. Fatal

B. Dangerous

C. Terrible

D. Injurious

Answer: A

Solution:

The correct answer is **'Fatal'**.

🔑 **Key Points**

- The meaning of the word '**fatal**' is '**a fatal illness, accident, etc. causes death.**'
- **For example -** This illness is **fatal** in almost all cases.
- Therefore, from the given meaning and examples, we can understand that **option 1** is the correct answer.

A अ Hinglish

- '**Fatal**' शब्द का अर्थ है '**एक घातक बीमारी, दुर्घटना, आदि जो मृत्यु का कारण बनता है।**'

- **उदाहरण**,
  - This illness is**fatal**in almost all cases.
  - the**fatal**shooting of an unarmed 15-year-old.
- अतः दिए गए अर्थ और उदाहरणों से हम समझ सकते हैं कि **option1** सही उत्तर है।

Question 5

Direction - Fill in the blank with suitable conjunction.

He will never pass, _____ hard he may try.

Options:

A. However

B. Never

C. Whenever

D. Whatever

Answer: A

Solution:

The correct answer is '**However'.**

🔑 Key Points

- **'However'**is an adverb which is used to say **'in whatever way; regardless of how.'**
- **Examples,**
  - **However** much I respect him, I can't agree with him on this occasion.
  - He is unlikely to succeed in getting his bill through Congress, **however** worthy it is.
  - **However** much you offered me, I'm not going to sell it.
- From the meaning and examples, we can understand that '**however**' fits correctly in the given sentence as it means "in whatever wayhetries, he will never pass".
- Therefore, **option 1** is the correct answer.

Complete Sentence:_He will never pass, **however** hard he may try._

🅰️ _Hinglish_

- **'However'** एक **adverb**है जिसका प्रयोग **'किसी भी तरह से'** कहने के लिए किया जाता है; कैसे की परवाह किए बिना।'

- **उदाहरण**,
  - **However** much I respect him, I can't agree with him on this occasion.
  - He is unlikely to succeed in getting his bill through Congress, **however** worthy it is.
  - **However** much you offered me, I'm not going to sell it.
- अर्थ और उदाहरणों से, हम समझ सकते हैं कि 'however' दिए गए वाक्य में सही ढंग से फिट बैठता है क्योंकि इसका अर्थ है **"जिस तरह से वह कोशिश करता है, वह कभी भी पास नहीं होगा"।**
- अतः **option 1** सही उत्तर है।

Question 6

Direction: Choose the plural form of the given word.

Hero

Options:

A. Heroies

B. Heroes

C. Heros

D. Heroine

Answer: B

Solution:

The correct answer is **'Heroes'.**

🔑 Key Points

- **'Hero'** is **'a person who is admired for their courage, outstanding achievements, or noble qualities.'**
- The **plural form** for the word **'hero'** would be 'hero + -es' i.e., **heroes**.
  - For example,The martyrs were the local **heroes** of particular communities.
- Therefore, from the given explanation, we can understand that **option 2** is the correct answer.

📝 Additional Information

- The **feminine gender** of'hero' is **'heroine'**.

🔤 Hinglish

- **'Hero'** एक ऐसा व्यक्ति है **जिसे उनके साहस, उत्कृष्ट उपलब्धियों या महान गुणों के लिए सराहा जाता है।**
- **'Hero'** शब्द का बहुवचन रूप**'heroes'**है।
  - **उदाहरण के लिए,**The martyrs were the local**heroes**of particular communities
- इसलिए, दिए गए स्पष्टीकरण से, हम समझ सकते हैं कि **option2** सही उत्तर है।

Question 7

Direction - Fill in the blank with suitable word.

Barking dogs _____ bite.

Options:

A. Regularly

B. Rarely

C. Seldom

D. Frequently

Answer: C

Solution:

The correct answer is '**Seldom**'.

🔑 Key Points

- **'Barking dogs seldom/never bite'** is a proverb that means **"peoplewhomakethemselvesappearthreateningrarelydoanyharm."**
- **For example,**
  - We have to put up with all this political posturing every general election, but **barking dogs seldom bite**, and nothing ever changes.
- From the given meaning and example, we can understand that '**seldom**' fits correctly in the given blank.
- Therefore, **option 3** is the correct answer.

Complete Sentence:*Barking dogs seldom bite.*

🔤 *Hinglish*

- **'Barking dogs seldom/never bite'**एक **proverb** है जिसका अर्थ है **"किसी को धमकाना, लेकिन कार्रवाई नहीं करना या धमकियों का पालन नहीं करना।"**

- **उदाहरण के लिए,**
    - we have to put up with all this political posturing every general election, but**barking dogs seldom bite**, and nothing ever changes
- दिए गए अर्थ और उदाहरण से, हम समझ सकते हैं कि **'seldom'** दिए गए रिक्त स्थान में सही ढंग से फिट बैठता है।
- अतः **option 3** सही उत्तर है।

Question 8

Select the most appropriate antonym of the given word.

Consecutive

Options:

A. Discontinuous

B. Successive

C. Following

D. Succeeding

Answer: A

Solution:

The correct answer is '**Discontinuous**'.

🔑 Key Points

- The meaning of the word '**Consecutive**' is '**following one after the other in regular order;continuous**'.
    - **For example,**He visited us on two **consecutive** days, Thursday and Friday.
- The meaning of the word '**discontinuous**' is '**not continuous or having gaps**'.
- From the given meanings and examples, we can understand that '**discontinuous**' is the **antonym** of the given word.
- Therefore, **option 1** is the correct answer.

🔤 Hinglish

- **'Consecutive'** शब्द का अर्थ है **'नियमित क्रम में एक के बाद एक का पालन करना; निरंतर'**।
    - **उदाहरण के लिए,** He visited us on two **consecutive** days, Thursday and Friday.
- **'discontinuous'** शब्द का अर्थ **'निरंतर या अंतराल नहीं होना'** है।
- दिए गए अर्थ और उदाहरण से हम समझ सकते हैं कि 'discontinuous' दिए गए शब्द का **antonym**है।
- अतः **option 1** सही उत्तर है।

Question 9

Direction: Choose the word MOST SIMILAR in meaning to the given word.

Barren

Options:

A. Infertile

B. Bold

C. Berserk

D. Bide

Answer: A

Solution:

The correct answer is **'Infertile.'**

🔑 Key Points

- The meaning of the word **'Barren'**is*(of a place or building) bleak and lifeless.*
  - **'Barren'** शब्द का अर्थ है (किसी स्थान या भवन से सबंधित) अंधकारमय और निर्जीव।
    - **Synonyms** are unproductive, **infertile**, unfruitful, sterile.
      - **Example***:The **barren** land could produce little food.*
- Let us explore the meanings of the given words:
  - **Infertile:**(of land) unable to sustain crops or life. ((भूमि से सबंधित) फसलों या जीवन को बनाए रखने में असमर्थ।)
  - **Bold**:(of a person, action, or idea) showing a willingness to take risks; confident and courageous. ((किसी व्यक्ति, क्रिया या विचार से सबंधित) जोखिम लेने की इच्छा दिखाना; आत्मविश्वासी और साहसी।)
  - **Berserk**:out of control with anger or excitement; wild or frenzied. (क्रोध या उत्तेजना से नियंत्रण से बाहर; जंगली या उन्मादी।)
  - **Bide**:remain or stay somewhere. (कहीं रहना।)
- Therefore, we can say that **'Infertile'** is theword MOST SIMILAR in meaning to the given word **'Barren.'**
- Hence, the correct answer is**'Infertile.'**

📄 Additional Information

- **Let us explore the use of the given words in a sentence:**

Word	Sentence
Infertile	*That land is **infertile**.*
Bold	*He punished the **bold** child for talking back.*
Berserk	*When I saw him I went **berserk**.*
Bide	*How long must I **bide** here to wait for the answer?*

Question 10

In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in aPassive/Active voice.

The cobbler was mending my shoes.

Options:

A. My shoes were being mended by the cobbler.

B. My shoes was being mended by the cobbler.

C. My shoes were mended by the cobbler.

D. My shoes will be being mended by the cobbler.

Answer: A

Solution:

The correct answer is **'My shoes were being mended by the cobbler.'**

🔑 Key Points

Past Continuous Tense:

The past continuous tenseis to describe an unfinished action.

Active	Passive
Subject + was/were V1 + ing + object	Object + was/were + being + V3 + by + subject

- The given sentence is in the **active voice.**

- Find **the subject and object** of the sentence and **exchange their places**; make changes in their **cases** as well if subject and object are **pronouns**.
- If **'was/were + V1 + ing'** is used in the active form, **'was/were being + V3'** will be used in the passive form. **(were being mended)**
- **'Shoes'** is a plural noun and is followed by the plural verb. **(were)**
- At last line up the remaining part.
- Therefore, **option 1** is the correct answer.

🄰अ Hinglish

- दिया गया वाक्य **active voice** में है।
- वाक्य के subject और object का पता लगाएं और उनके स्थानों का आदान-प्रदान करें; उनके मामलों में भी परिवर्तन करें यदि subject और object pronouns हैं।
- यदि active voice में **'was/were + V1 + ing'** का प्रयोग किया जाता है, तो **'was/were be + V3'** का प्रयोग **passive voice** में किया जाएगा। **(were being mended)**
- **'shoes'** एक **plural noun** है और इसके बाद **plural verb** होती है। **(were)**
- अतः **option 1** सही उत्तर है।

Question 11

In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

Options:

A. Twelth

B. Twelfth

C. Tweluth

D. Twelthe

Answer: B

Solution:

The correct answer is **'Twelfth.'**

🔑 Key Points

- **Let us explore the options:-**

- 'Twelth':There is no such word in English or we can say that there is some spelling mistake in this word.
- 'Twelfth':Thecorrectly spelt word is 'Twelfth'and it meansconstituting number twelve in a sequence; 12th. (एक क्रम में संख्या बारह का गठन; 12 वीं)
- 'Tweluth':There is no such word in English or we can say that there is some spelling mistake in this word.
- 'Twelthe':There is no such word in English or we can say that there is some spelling mistake in this word.

Hence, the correct answer isoption 2.

📝 Additional Information

- **Example**of'**Twelfth'**in a**sentence:**
  - *She was partnered with Mak and finished at**twelfth** place.*

Question 12

In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Kick one's heels

Options:

A. To fight

B. Run away

C. Be disgusted

D. Pass time idly while having to wait for someone or something.

Answer: D

Solution:

The correct answer is **'Pass time idly while having to wait for someone or something.'**

🔑 Key Points

- The meaning of the given idiom '**Kick one's heels'** is **'to be kept waiting OR to pass time idly while having to wait for someone or something.'.**
- **Examples,**
  - She **kicked her heels** for hours at the gate of the Embassy.

- I was left **kicking my heels** for half an hour while waiting for Sam.
- From the given meaning and examples, we can understand that **option 4** is the correct answer.

Ａ अ **Hinglish**

- दिए गए **idiom**का अर्थ है 'Kick one's heels'का अर्थ है '**मूर्खतापूर्वक प्रतीक्षा में लंबा समय बिताना**'।
- **उदाहरण**,
  - She **kicked her heels** for hours at the gate of the Embassy
  - I was left **kicking my heels** for half an hour while waiting for Sam.
- दिए गए अर्थ और उदाहरणों से हम समझ सकते हैं कि **option 4** सही उत्तर है।

Question 13

Identify the segment in the sentence which contains a grammatical error.

Neither Sam nor I are interested in attending the meeting.

Options:

A. Neither Sam nor I

B. are interested

C. in attending

D. the meeting

Answer: B

Solution:

The correct answer is **are interested.**

🔑 **Key Points**

- In a sentence, the verb is used according to**person**and**number**.
- If the main**subject**is followed by the following**words/phrases**, the verb will conform to the**nearest subject:**
  - **Neither-nor, either-or, not only-but also, none but, nor, or, etc.**
- For example:
  - **Either Sam or Eric are** coming to the wedding. ❌
  - **Either Sam or Eric is** coming to the wedding. ✓

- In the 2nd part of the given question, the auxiliary verb **'am'** will be used as the **nearest subject** is, **I**.

Correct Sentence: *'Neither Sam nor I **am** interested in attending the meeting.'*

📝 **Additional Information**

- If an **article** is placed just before the **1st subject** only, it means the **person/thing** is the **same** for which **two nouns** are used. Hence **singular verb** will be used.
- Example:
  - *Jawaharlal Nehru was **a great orator and articulate** politician of his time.*

Question 14

Identify the correct preposition

The dog was moving fast, but still it was accompanied _____ a little cat moving behind it.

Options:

A. At

B. From

C. By

D. Through

Answer: C

Solution:

'Accompany' means staying together by someone with someone. Therefore, 'by' is the best fit here.

Question 15

Direction: Change the sentence from direct speech to indirect speech.

Ram said to me, "You can teach me."

Options:

A. Ram told me that I could teach him.

B. Ram said that I can teach him.

C. Ram told me that I can teach me.

D. Ram told me that he can teach me.

Answer: A

Solution:

Here the correct answer is **Ram told me that I could teach him.**

🔑 Key Points

- The rule for changing Direct Speech to Indirect Speech:
  - If the reporting verb is given in **Past tense** then the tense of **the verb of Reported Speech will change** into the corresponding Past tense.
  - While changing direct speech to indirect speech, the modal verb, **Can** becomes **could.**
  - Remove the inverted comma's from the direct speech and replace them with an appropriate conjunction.
  - **'Said to'** is converted to **'told'**.
  - **'You'** changes into **'I'**.
  - **'Me'** changes into **'him'**.

Therefore, the correct answer is *Ram told me that I could teach him.*

📝 Additional Information

- While changing direct speech to indirect speech, the **modals** used in the sentences change like:
  - **Can** becomes **could.**
  - **May** becomes **might.**
  - **Must** becomes **had to /would have to**
    - *Example*: He said, "I may come."*[Direct Speech]*
      He said that he might come.*[Indirect Speech]*

Question 16

In the following question, parts of a sentence have been jumbled and labelled as P, Q, R, and S. You are required to rearrange the jumbled parts of the sentence and mark your response accordingly by selecting the correct option.

P. was flabbergasted

Q. at Sachin's

R. behavior

S. The manager

Options:

A. QPRS

B. SPQR

C. SQRP

D. QSPR

Answer: B

Solution:

The correct answer is **option2 i.e. SPQR.**

Key-Points

- *While re-arranging sentences we have to look at grammatical as well as meaningful re-arrangement.*
- It is clear from subparts *P, Q, R* that they **cannot** be the **first subpart**.
- *Sentences P, Q, R*start with a *helping verb (was), preposition (at), or a stative verb (behavior)* ***These cannot be the sentence beginners***
- **First, subpart is**S.
- *REASON- t*o supplement the **subject** we need a *helping verb and main verb.* The manager (subject), is (HV), flabbergasted (MV).
- **Flabbergasted means**- to surprise or astonish someone. *It is followed by a preposition.*
- Thus, the correct arrangement is ***SPQR.***

📌 **Correct sentence**-The manager was flabbergasted at Sachin's behavior.

Question 17

Direction: Read the passage given below and answer the question that follows:

An old miser lived in a house with a garden. The miser hid his gold coins in a pit under some stones in the garden. Every day, before going to bed, the miser went to the stones where he hid the gold and counted the coins. He continued this routine every day, but not once did he **spend** the gold he saved. One day, a thief who knew the old miser's routine, waited for the old man to go back into his house. After it was dark, the thief went to the hiding place and took the gold. The next day, the old miser found that his treasure was missing and started crying loudly. His neighbour heard the miser's cries and inquired about what happened. On learning what happened, the neighbour asked, "Why didn't you save the money inside the house? It would've been easier to access the money when you had to buy something!" "Buy?", said the miser. "I never used gold to buy anything. I was never going to spend it." On hearing this, the neighbour threw a stone into the pit and said, "If that is the case, save the stone. It is as worthless as the gold you have lost".

What is the moral of the passage?

Options:

A. Do not get greedy. Be happy and content with what you have

B. Nobody trusts a liar, even when he is telling the truth

C. Wealth is everything

D. Wealth not used is wealth that does not exist

Answer: D

Solution:

The correct answer is**'Wealth not used is wealth that does not exist'.**

🔑 Key Points

- The passage is about a miser who had gold coins which he put under some stonesbut never used them for anything. One day, a thief tracked him and stole all those gold coins and the miser left with nothing.
- It can be concluded from the passage that**'Wealth not used is wealth that does not exist'**is the moral of the passage.
- Therefore, the correct option is**'Wealth not used is wealth that does not exist'.**
  .

📝 *Additional Information*

- Let us discuss the **meaning** of some words:

Word	Meaning
Moral	a lesson that can be derived from a story or experience
Wealth	an abundance of valuable possessions or money
Exist	to be, or to be real

Question 18

Direction: Read the passage given below and answer the question that follows:

An old miser lived in a house with a garden. The miser hid his gold coins in a pit under some stones in the garden. Every day, before going to bed, the miser went to the stones where he hid the gold and counted the coins. He continued this routine every day, but not once did he **spend** the gold he saved. One day, a thief who knew the old miser's routine, waited for the old man to go back into his house. After it was dark, the thief went to the hiding place and took the gold. The next day, the old miser found that his treasure was missing and started crying loudly. His neighbour heard the miser's cries and inquired about what happened. On learning what happened, the neighbour asked, "Why didn't you save the money inside the house? It would've been easier to access the money when you had to buy something!" "Buy?", said the miser. "I never used gold to buy anything. I was never going to spend it." On hearing this, the neighbour threw a stone into the pit and said, "If that is the case, save the stone. It is as worthless as the gold you have lost".

What did the miser hide under some stones?

Options:

A. silver coins

B. gold coins

C. jewellery

D. food

Answer: B

Solution:

The correct answer is **'gold coins'.**

🔑 Key Points

- **Let's have a look at the second line of the passage:**
  - *'The miser hid his gold coins in a pit under some stones in the garden.'*

- It can be concluded from the above line that ***the miser hid gold coins under some stones.***
- Therefore, **'gold coins'** is the correct answer.

📝 *Additional Information*

- Let us discuss the **MEANING** of some words from the passage:

Word	Meaning
Miser	a person who hoards wealth and spends as little money as possible
Hid	the past tense of the verb **'Hide'** that means to put or keep out of sight
Pit	a large hole in the ground

Question 19

<u>Direction</u>: **Read the passage given below and answer the question that follows:**

An old miser lived in a house with a garden. The miser hid his gold coins in a pit under some stones in the garden. Every day, before going to bed, the miser went to the stones where he hid the gold and counted the coins. He continued this routine every day, but not once did he **spend** the gold he saved. One day, a thief who knew the old miser's routine, waited for the old man to go back into his house. After it was dark, the thief went to the hiding place and took the gold. The next day, the old miser found that his treasure was missing and started crying loudly. His neighbour heard the miser's cries and inquired about what happened. On learning what happened, the neighbour asked, "Why didn't you save the money inside the house? It would've been easier to access the money when you had to buy something!" "Buy?", said the miser. "I never used gold to buy anything. I was never going to spend it." On hearing this, the neighbour threw a stone into the pit and said, "If that is the case, save the stone. It is as worthless as the gold you have lost".

Who said these lines, 'If that is the case, save the stone. It is as worthless as the gold you have lost."?

Options:

A. the miser

B. the thief

C. the neighbour

D. the sheriff

Answer: C

Solution:

The correct answer is **'the neighbour'.**

🔑 Key Points

- **Let's have a look at the line from the passage:**
  - *On hearing this, the neighbour threw a stone into the pit and said, "If that is the case, save the stone. It is as worthless as the gold you have lost".*
- It can be concluded from the above line that ***the neighbour said these lines, 'If that is the case, save the stone. It is as worthless as the gold you have lost."***
- Therefore, **'the neighbour'** is the correct answer.

📝 *Additional Information*

- Let us discuss the **MEANING** of some words from the passage:

Word	Meaning
Worthless	having no real value or use
Sheriff	in the US, an official whose job is to be in charge of performing the orders of the law courts and making certain that the laws are obeyed within a particular county
Neighbour	a person living next door to or very near to the speaker or person referred to

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Question 20

Direction: **Read the passage given below and answer the question that follows:**

An old miser lived in a house with a garden. The miser hid his gold coins in a pit under some stones in the garden. Every day, before going to bed, the miser went to the stones where he hid the gold and counted the coins. He continued this routine every day, but not once did he **spend** the gold he saved. One day, a thief who knew the old miser's routine, waited for the old man to go back into his house. After it was dark, the thief went to the hiding place and took the gold. The next day, the old miser found that his treasure was missing and started crying loudly. His neighbour heard the miser's cries and inquired about what happened. On learning what happened, the neighbour asked, "Why didn't you save the money inside the house? It would've been easier to access the money when you had to buy something!" "Buy?", said the miser. "I never used gold to buy anything. I was never going to spend it." On hearing this, the neighbour threw a stone into the pit and said, "If that is the case, save the stone. It is as worthless as the gold you have lost".

Which of the following words could replace the word **'spend'** as used in the passage?

Options:

A. secure

B. search

C. expend

D. expand

Answer: C

Solution:

The correct answer is**'expend'**.
🔑 Key Points

- Let us look at the meaning of the word**'spend':-**
    - **Spend:**to give money as a payment for something
        - **Example:**_I don't know how I managed to **spend** so much on clotheslast night._
- Let us look at the**meanings**of words in the options:-

Word	Meaning	Example
Secure	to get something, sometimes with difficulty	_He was disappointed by his failure to **secure** the top job with the bank._
Search	try to find something by looking or otherwise seeking carefully and thoroughly	_I **search** among the rocks, but there was nothing._
Expend	**to use or spend money**	_They **expend** all their funds fixing up their house._
Expand	to increase in size, number, or importance, or to make something increase in this way	_The air in the balloon **expands** when heated._

- Therefore, in the above passage, the word**'spend'**could replace the word**'expend'**in the passage.

- Hence, the correct answer is**'expend'**.

📝 Additional Information

- Let us look at the**ANTONYM**of words in the option:

Word	Antonym
Secure	Lose
Search	Hide

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Question 21

What is the ratio oflength to the height (width) of the Flagof our national flag?

Options:

A. 3 : 5

B. 3 : 2

C. 2 : 4

D. 3 : 4

Answer: B

Solution:

Option **2** is correct, i.e. **3:2**.

📌 Important Points

- The ratio oflength to the height (width) of the Flagof the Indian national flag is **3:2.**
- The National Flag was adopted by the Constituent Assembly of India on**22 July 1947**.
- It is a horizontal tricolor of deep saffron (Kesari) at the top, white in the middle, and dark green at the bottom in equal proportion.
- It became the official flag of the Dominion of India on**15 August 1947.**
- The**Prime Minister**hoists the national flag at the Red Fort on Independence Day.
- **Pingali Venkayya**isthe designer of the Indian National Flag**.**

Question 22

What is the currency of Malaysia?

Options:

A. Malaysian Dinar

B. Malaysian Dollars

C. Malaysian Euro

D. Malaysian Ringgit

Answer: D

Solution:

The correct answer is Option **4**, i.e **<u>Malaysian Ringgit</u>**.

- Thecurrency of Malaysia is the Malaysian ringgit.
- It is further divided into 100 sen.
- The Malaysian ringgit is issued by the central bank of Malaysia (Bank Negara Malaysia).
- **Dinar** is amonetary unit used in several Middle Eastern countries, including Algeria, Bahrain, Iraq, Jordan, Kuwait, Libya, and Tunisia.
- **Dollar**is the name of more than 20 currencies, including those of Australia, Brunei, Canada, Hong Kong, Jamaica, Liberia, Namibia, New Zealand, Singapore, Taiwan and the United States.
- The **Euro** is the common currency for 20 countries in the eurozone.

Question 23

Thomas Cup is associated with

Options:

A. Billiards

B. Table tennis

C. Lawn tennis

D. Badminton

Answer: D

Solution:

Thomas Cup, sometimes called the World Men's Team Championships, is an international badminton competition among teams representing member nations of the Badminton World Federation (BWF), the sport's global governing body. The Uber Cup is sometimes called the World Team Championships for Women.

Question 24

Who was the first female to become the Governor of an Indian state?

Options:

A. Sucheta Kriplani

B. Vijaya Laxmi Pandit

C. Sarojini Naidu

D. Annie Besant

Answer: C

Solution:

The correct answer is option **3** i.e**Sarojini Naidu**.

- **Sarojini Naidu:**
    - Sarojini Naidu was **the first female to become the governor of an Indian state.** She became governor of Uttar Pradesh.
    - She is also known as '**Nightingale of India'.**
    - She also wrote poetry, her works include Golden Threshold, The Bird of Time, The Sceptred Flute and The Feather of the Dawn.
- **Sucheta Kriplani:**
    - Sucheta Kripalaniwas an Indian freedom fighter and politician.
    - She was **India's first woman Chief Minister**, serving as the head of the Uttar Pradesh government from 1963 to 1967.
- **Vijaya Laxmi Pandit:**
    - Vijaya Lakshmi Pandit was an Indian diplomat and politician who was elected as the **first female president of the United Nations General Assembly.**
- **Annie Besant:**
    - Shelaunchedthe Home Rule League to campaign for democracy in India, and dominion status within the British Empire.
    - She was the **first womenpresident** of Indian National Congress 1917.

Question 25

In which international sports event does Rani Rampal represent India?

Options:

A. Cycling

B. Wrestling

C. Hockey

D. Judo

Answer: C

Solution:

The correct answer is **Hockey.**

🔑 Key Points

- Rani Rampal is an Indian field **hockey** player from **Haryana**.
- She is currently the **Captain** for the I**ndian Women's** Hockey Team.
- The Indian **women's** Hockey team **captain** Rani Rampal is the **World Games** Athlete of the Year **2019**, thus becoming the **first-ever**hockey player to win the prestigious **World Games Athlete** of the Year Award.
- In 2020the **Government** of **India** honoured her with the **Padma Shri.**
- Rani played in the **Champion's Challenge** Tournament held in **Kazan**, Russia in June **2009** and powered India to a win by scoring **4** goals in the finals.
- At the age of **15**, she was the **youngest** player in the **national** team which participated in the **2010 World Cup**.

📝 Additional Information

Sports	Indian Famous Players
Cycling	Annul Pale, Amit Samarth, Devender Thakur, Bikram Singh, Arvind Panwar, Naveen John, Rameshwori Devi and Esow Alben.
Wrestling	Ghulam Muhammad, Dara Singh, Udey Chand, Sushil Kumar Solanki, Sakshi Malik andGeeta Phogat.
Judo	Avtar Singh, Sushila Devi, Tulika Mann, Vijay Yadav.

Question 26

Konark Temple in Odisha was built by which of the following kings?

Options:

A. Anantavarman Chodagangadeva

B. Narasimha Deva I

C. Ananga Bhima Deva

D. Bhanu Deva

Answer: B

Solution:

The correct answer is option 2 i.e **Narasimha Deva 1**

Konark Sun Temple:

- It is **situated at Konark in Odisha.**
- It is a **UNESCO World Heritage Site.**
- It is **dedicated to the sun god, Surya**, the first rays of the sun fall on the entrance of the temple.
- It was **built in the 13th century** and was **built by King Narasimhadeva I.**

Name of the king	Temple built by the king	State in which temple is located
Anantavarman Chodagangadeva	Jagannath Temple	Odisha
Narasimha Deva I	Konark Sun Temple	Odisha
Ananga Bhima Deva	Rebuilt Puri Jagannath Temple	Odisha

Question 27

Tehri Dam is built on the river _____.

Options:

A. Koyana

B. Bansagar

C. Chambal

D. Bhagirathi

Answer: D

Solution:

- Tehri Dam is built on the river**Bhagirathi**.It is the highest dam in India situated in Uttarakhand.The length of the dam is 575 m.

Dam	River
Koyana Dam	Koyana
Bansagar Dam	Sone
Gandhi Sagar Dam	Chambal
Tehri Dam	Bhagirathi

Question 28

The diagonal of the rectangle is 17 cm and the length is 15 cm. find the area of the rectangle.

Options:

A. 160 cm^2

B. 240 cm^2

C. 108 cm^2

D. 120 cm^2

Answer: D

Solution:

Given:

Diagonal of rectangle= 17 cm

Length of the rectangle = 15 cm

Formula:

$Diagonal^2= Length^2+ Breadth^2$

Area of the rectangle = Length× Breadth

Calculation:

According to the formula

$17^2= 15^2+ Breadth^2$

⇒ $Breadth^2= 289 – 225$

⇒ Breadth = √64

⇒ Breadth = 8

∴ **Area of the rectangle = 15 × 8 = 120 cm^2**

Question 29

The ages of Amit and Suraj are in the ratio 3 : 7. The difference in their present ages is 24 years. The sum of their ages is:

Options:

A. 56

B. 42

C. 60

D. 64

Answer: C

Solution:

Given:
The ages of Amit and Suraj are in the ratio 3 : 7
The differencein their present ages is 24 years.

Calculation:

Suppose the ages of Amit and Suraj is 3x and 7x, respectively.

According to question –

$\Rightarrow$ 7x - 3x = 24

$\Rightarrow$ 4x = 24

$\Rightarrow$ x = 24/4

$\Rightarrow$ x = 6

Amit's age = 3x = 18 years

Suraj's age = 7x = 42 years

Therefore, sumof their ages = (18 + 42) = 60years.

Question 30

What will come in the place of the question mark '?' in the following question?

8 + 7 × 8 ÷ 40 – 2 = ?

Options:

A. 41/5

B. 37/5

C. 17/10

D. 47/5

Answer: B

Solution:

Given:

8 + 7× 8÷ 40 - 2 = ?

Concept used:

Follow the BODMAS rule according to the table given below:

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (−)	घटाव (−)

Calculation:

$8 + 7× 8÷ 40 - 2 = ?$

$⇒ 8 + 7× 8/40 - 2 = ?$

$⇒ 8 + 7× 1/5 - 2 = ?$

$⇒ 8 + 7/5- 2 = ?$

$⇒ 6 + 7/5= ?$

$⇒ (30 + 7)/5 = ?$

$⇒ 37/5 = ?$

∴ **The value of ? is 37/5.**

Question 31

Solve the following: $\sqrt{0.\overline{4}} = ?$

Options:

A. 2/9

B. 2/5

C. 2/3

D. 4/5

Solution:

Given:

$\sqrt{0.\bar{4}} = ?$

Concept used:

Recurring digit

Calculation:

$\sqrt{0.\bar{4}} = ?$

$\Rightarrow \sqrt{(4/9)}$

$\Rightarrow \sqrt{4} / \sqrt{9}$

$\Rightarrow 2/3$

$\therefore ? = 2/3.$

Question 32

A 130 meter long train running at a speed of 45 km/h crosses a platform in 30 seconds. What is the length of the platform?

Options:

A. 245 m

B. 375 m

C. 275 m

D. 345 m

Answer: A

Solution:

Given:

Length of train = 130 m

Speed = 45 km/h

Time to covered a platform = 30 seconds

Concept:

Speed × Time = Distance

Calculation:

Let, the length of the platform = x metre

Speed of the train = 45 km/hr = 45 × (5/18) m/s

According to the question,

⇒ (x + 130) = 30 × 45 × (5/18)

⇒ x + 130 = 375

⇒ x = 375- 130

⇒ x = 245 m

∴ **Length of the platform is 245 meters.**

Question 33

Ramesh purchased a land for Rs. 45000 and sold (3/5) part at a loss of 5%. How much per cent of profit should be sold the remaining part so that he made 15% profit on the whole?

Options:

A. 45%

B. 40%

C. 35%

D. 30%

Answer: A

Solution:

Total C.P = Rs. 45000

C.P of (3/5) part = (3/5)× 45000

⇒ Rs. 27000

Remaining part = 1 - (3/5)

⇒ 2/5

C.P of (2/5) part = Rs. (45000 - 27000)

⇒ Rs. 18000

Let required profit % be x%.

Bythe weighted average method,
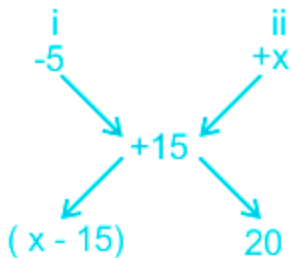
Now, (x - 15)/20 = 27000/18000

⇒ (x - 15)/20 = 3/2

⇒ 2(x - 15) = 3× 20

⇒ 2x - 30 = 60

⇒ 2x = 60 + 30

⇒ 2x = 90

⇒ x = 45

∴ **The required profit percentage will be 45%.**

Traditional Method:

Given:

The price of the land = Rs. 45000

Loss percentage in selling (3/5) part to him = 5%

Profit percentage earned on the whole process = 15%

Formula Used:

S.P = C.P× {(100 + P%)/100}

S.P = C.P× {(100 - L%)/100}

P = S.P - C.P

Profit percentage = (P/C.P)× 100

Where, S.P = Selling Price

C.P = Cost Price

P = Profit

L = Loss

Calculation:

Total C.P = Rs. 45000

Total S.P = 45000× {(100 + 15)/100}

$\Rightarrow$ 450× 115

$\Rightarrow$ Rs. 51750

C.P of (3/5) part = (3/5)× 45000

$\Rightarrow$ Rs. 27000

S.P of (3/5) part = 27000× {(100 - 5)/100}

$\Rightarrow$ 270× 95

$\Rightarrow$ Rs. 25650

Remaining part = 1 - (3/5)

$\Rightarrow$ 2/5

C.P of (2/5) part = Rs. (45000 - 27000)

$\Rightarrow$ Rs. 18000

S.P of (2/5) part = Rs. (51750 - 25650)

$\Rightarrow$ Rs. 26100

Required profit = Rs. (26100 - 18000)

$\Rightarrow$ Rs. 8100

Required profit percentage = (8100/18000)× 100

$\Rightarrow$ 810/18

⇒ 45%

∴ **The required profit percentage will be 45%.**

Question 34

To complete a certain work, A and B together take 10 days; B and C together take 14 days, and C and A together take 20 days. All the three worked together for 8 days, then Aand B left. C alone will complete the remaining work in:

Options:

A. 10.66 days

B. 11.5 days

C. 13 days

D. 20 days

Answer: A

Solution:

Given:

A and B together work= 10 days

B and Ctogether work = 14 days

C and A togetherwork = 20 days

A,B,C work together for 8 days

Formula used:

Time taken by C = Total remaining work/Efficiency of C

Calculation:

According to the calculation:

Day	Total	Efficiency
A+B 10 days		14 work/day
B+C 14 days	140 (L.C.M)	10 work/day
C+A 20 days		7 work/day

Total efficiency of A, B and C = 14 + 10 + 7 = 31

$\Rightarrow 2(A + B + C)$eff.= 31

$\Rightarrow (A + B + C)$eff. = 31/2 = 15.5

According to the question:

$(A + B + C) \times 8 = 15.5 \times 8 = 124$ work

Remaining work = 140 - 124 = 16

Efficiency of C = eff.$(A + B + C)$ - eff.$(B + A)$

$\Rightarrow 15.5 - 14 = 1.5$

Time taken by C = Total remaining work/Efficieny of C

$\Rightarrow$ Time taken by C = 16/1.5 = 10.66 days

∴ **C alone will complete the remaining work in 10.66 days.**

Question 35

Find the value of tan135°?

Options:

A. 1

B. -√3

C. -1

D. √3

Answer: C

Solution:

Concept used:

θ	Sinθ	Cosθ	Tanθ	Cotθ	Secθ	Cosecθ
90° - α	Cosα	Sinα	Cotα	Tanα	Cosecα	Secα
90° + α	Cosα	- Sinα	-Cotα	-Tanα	-Cosecα	Secα
180° - α	Sinα	-Cosα	-Tanα	-Cotα	-Secα	Cosecα
180° + α	- Sinα	-Cosα	Tanα	Cotα	-Secα	-Cosecα
270° - α	-Cosα	-Sinα	Cotα	Tanα	-Cosecα	-Secα
270° + α	-Cosα	Sinα	-Cotα	-Tanα	Cosecα	-Secα
360° - α	- Sinα	Cosα	-Tanα	-Cotα	-Secα	-Cosecα
-α	- Sinα	Cotα	-Tanα	-Cotα	Secα	-Cosecα

Calculation:

tan135°

⇒ tan135° = tan(90 + 45)°

⇒ tan135° = - cot45°

⇒ tan135° = -1

∴ **The value of tan135° is-1.**

Question 36

What will be the seventh term in the following series:

A, E, I, _

Options:

A. Y

B. U

C. M

D. Z

Answer: A

Solution:

The pattern follows here is:
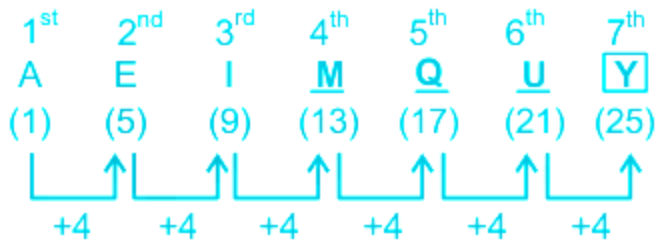
Hence, the correct answer is **"Y"**.

⚠️ <u>Mistake Points</u>

The given series is not a **Vowel** series as it is following a particular pattern.

If it was a vowel series, then next terms would also have been given.

In the question, 7th term has been asked and not the next term.

Question 37

Pointing to a boy, Mrs. Shakeela said, "He is the son of my husband's son." What is Shakeela's relationship with that boy?

Options:

A. Granddaughter

B. Mother

C. Grandmother

D. Grandson

Answer: C

Solution:

By using the symbols in the table given below, we can draw the following family tree:

Symbol Diagram
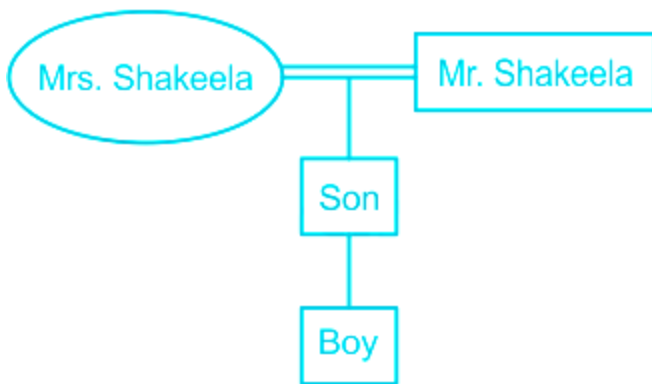
So, Mrs. Shakeela is the grandmother of the boy.

Hence, 'grandmother' is the correct answer.

Question 38

In the following question, select the missing number from the given series.

31, 63, 124, 251, ?

Options:

A. 506

B. 498

C. 500

D. 502

Answer: B

Solution:

The Pattern follows here is;

Hence, **"498"** is the correct answer.

Question 39

If the day on January 1, 2003 was Sunday, what will be the day on January 1, 2004?

Options:

A. Tuesday

B. Monday

C. Saturday

D. Sunday

Answer: B

Solution:

The logic follows here is:

In an ordinary year, there are 365 days and on dividing 365 by 7,

we get remainder = 1 so this extra one day is taken as an odd day.

Similarly, in a leap year, there are 366 days and on dividing 366 by 7,

we get remainder = 2 so these extra days are taken as the odd days.

Thus, the remainder, which we get after dividing the number of days by 7 is considered as odd days.

The year 2003 is an ordinary year.

So, it has 1 odd day.

As, 1st day of the year 2003 was Sunday, then 1st day of the 2004 (next year) will be 1 day beyond Sunday.

Hence, it will be**Monday.**

📝 Additional Information

Year- One year has 365 days or 366 days on this basis the year is divided into two parts:

- **Normal year**- It has 365 days.
- **Leap year**- It has 366 days and completely divisible by 4.

Century leap year- The year which is exactly divisible by 400. Example - 1200, 1600, 2000 etc.

Counting of Odd days

Ordinary Year:365 days (52 weeks + 1 days)

=1 Odd days

Leap Year:366 days (52 weeks + 2 days)

=2 Odd days

Question 40

'Hate' is related to 'love' in the same way as 'create' is related to

Options:

A. Make

B. Remove

C. Destroy

D. Build

Answer: C

Solution:

Given: Hate - Love

Hate and Love are the antonyms of each other.

Similarly,

Create - Destroy

Create and Destroy are the antonyms of each other.

Hence, **Destroy** is correct.

Question 41

If '×' means '-', '-' means '÷', '+' means '×' and '÷' means '+', then

28× 12 - 2÷ 3 + 5 = ?

Options:

A. 23

B. 14

C. 37

D. 30

Answer: C

Solution:

The logic followed is:

Decoding the information,

Symbol	×	-	+	÷
Meaning	-	÷	×	+

B	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
O	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (−)	घटाव (−)

Given the equation: 28× 12 - 2÷ 3 + 5 = ?

After replacing the signs from left to right and using the BODMAS rule,

28 -12 ÷2 +3 ×5 = ?

28 - 6 + 3× 5 = ?

28 - 6 + 15 = ?

43 - 6 = ?

? = 37

Hence, the correct answer is **"37"**.

Question 42

How many rectangles are there in the given figure?
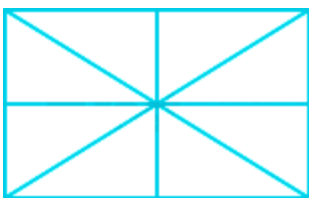
Options:

A. 11

B. 10

C. 13

D. 9

Answer: D

Solution:

Calculation:
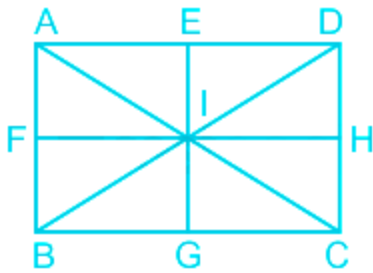
In the given figure, rectangles are

ABCD, AEIF, EIHD, IHCG, IGBF, AEGB, EDCG, ADHF, FHCB

Total number of rectangles in given figure = 9

∴ **Total number of rectangles in given figure is 9.**

⚠️ Mistake Points

- In this question, we are asked to count the rectangles and NOT the triangles.

📌 Important Points

A **rectangle** is a 2D **shape** in geometry, having 4 sides and 4 corners. Its two sides meet at right angles.

Thus, a **rectangle** has 4 angles, each measuring $90°$.

Question 43

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

Options:

A. Crow

B. Owl

C. Bat

D. Sparrow

Answer: C

Solution:

The logic follows here is:

Word	Meaning
Crow	Bird
Owl	Bird
Bat	**Mammal**
Sparrow	Bird

All, except Bat, are birds.

Hence, the correct answer is **"Bat".**

Question 44

What is the next figure in the series:

Options:

A.

B.

C.

D.
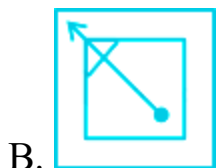
Solution:

The pattern follows here is:

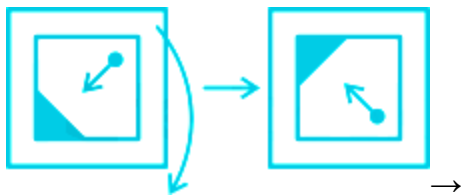In each step, the figure is rotating 90° in the clockwise direction.

In Step 1:
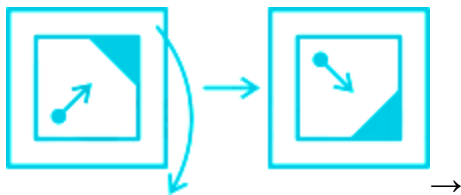
In Step 2:
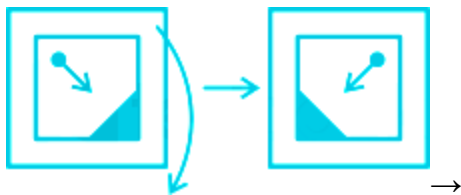
In Step 3:

So, the next term is:
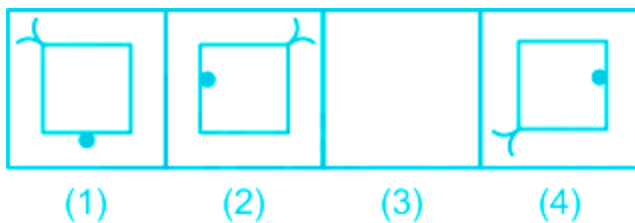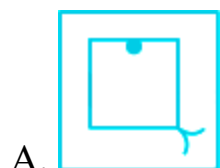

Hence, **option (1)** is the correct answer.

Question 45

Select the figure from the choice which will continue the series.

(1)   (2)   (3)   (4)

Options:

A.

B.

C.

D.

Answer: C

Solution:

The pattern followed here is both the figures present outside the box rotates 90° clockwise. So, the figure that

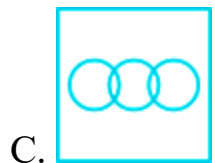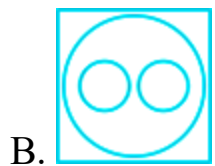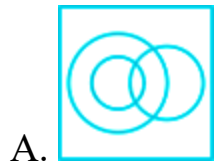will replace ? in the series would be

Hence, option 3 is the correct answer.

Question 46

Identify the diagram that best represents the relationship among the classes given below

Coffee, Tea, Beverages

Options:

A.

B.

C.

D.
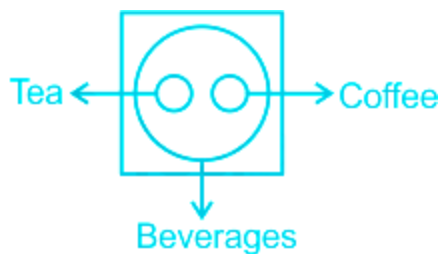
Solution:

The logic follows here is :

Tea and Coffee are differnt types of beverages.

The least possible Venn diagram for the given set of words is :

Hence, the correct answer is**"Option (2)".**

Question 47

The angle between minute hand and hour hand of a clock when the time is 8 : 30 is?

Options:

A. 80 degree

B. 75 degree

C. 60 degree

D. 105 degree

Answer: B

Solution:

Angle traced by hour hand in 17/2 hours = (360 ÷ 12) × (17 ÷ 2) = 255 degree

Angle traced by minute hand in 30 minute = (360 ÷ 60) × 30 = 180 degree

So, Required Angle = (255 degree – 180 degree) = 75 degree

Hence, the correct answer is **75 degree.**

Question 48

The difference in the ages of Rohit and Axar is 12 years. The ratio of their ages is 3: 5. The age of Axar is?

Options:

A. 32 years

B. 24 years

C. 28 years

D. 30 years

Solution:

The logic followed is:

Let their present ages be measured in terms of x.

The difference between the ages of Rohit and Axar is 12 and are in the ratio 3 : 5.

According to the question:

5x – 3x = 12

⇒ 2x = 12

⇒ x = 6

Thus age of Axar is = 5x = 5× 6 = 30 years

Hence, the correct answer is **"30 years".**

Alternate Method

Using Ratio Method:

Given the ratio of the ages of Rohit and Axar = 3 : 5

Here, the difference between the ages of Rohit and Axar = 2

But given the difference between their ages = 12

Then 2→ 12

1→ 12 / 2 = 6

Thus, **the age of Axar = 5 ×6 = 30 Year**

And the age of Rohit = 3× 6 = 18 Years

Hence, the correct answer is **"30 Years".**

Question 49

Which number is missing?

1, 9, 25, 49, ?

Options:

A. 121

B. 81

C. 30

D. 27

Answer: B

Solution:

$1^2 = 1$

$3^2 = 9$

$5^2 = 25$

$7^2 = 49$

Here square of odd numbers are taken in series.

Thus next number will be, square of 9.

$9^2 = 81$

Hence answer is 81.

Question 50

In a certain code language VULGAR is coded as FGPUAJ. How FORMAT coded in that code language?

Options:

A. MVOJHA

B. VMOJAH

C. ULINZG

D. VMJOAH

Answer: D

Solution:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

The pattern for the code is as follows,

```
V U L G A R
| | | | | |      (Opposite
| | | | | |        +1)
F G P U A J
```

In the same way-

```
F O R M A T
| | | | | |      (Opposite
| | | | | |        +1)
V M J O A H
```

Hence, FORMAT is coded as **VMJOAH**.