

RBI Assistant Prelims Practice Set Paper-1

- Q.1** (A) ensure a liveable planet for the
(B) issue is that of a legal obligation
(C) there is a moral imperative to
(D) next generations, but another

In the following question, a sentence is divided into few parts. Rearrange these parts and identify the correct sequence making the sentence grammatically and contextually correct.

- A. DABC
B. CADB
C. DCBA
D. CDBA
E. No rearrangement required

Answer: B

Sol: The correct answer is **option (b) CADB** because rearranging the bold words in this sequence makes the sentence grammatically correct and meaningful. Here's the explanation:

- **Part (C):** "there is a moral imperative to" introduces the idea of a strong ethical responsibility.
- **Part (A):** "ensure a liveable planet for the" follows naturally, specifying what the moral imperative is—to ensure a livable planet.
- **Part (D):** "next generations, but another" continues the sentence by stating that this responsibility is for future generations.
- **Part (B):** "issue is that of a legal obligation" completes the sentence by introducing another aspect, which is the legal obligation.

The correct sentence after rearrangement is: **"There is a moral imperative to ensure a liveable planet for the next generations, but another issue is that of a legal obligation."**

This makes **option (b) CADB** the correct answer.

- Q.2** (A) the Houthis, who control parts of Yemen,
(B) foreign powers ever since they
(C) captured Sana'a, Yemen's capital, in 2014
(D) have survived multiple air strikes by

In the following question, a sentence is divided into few parts. Rearrange these parts and identify the correct sequence making the sentence grammatically and contextually correct.

- A. ACDB
B. ADBC
C. BADC
D. BDAC
E. No rearrangement required

Answer: B

Sol: The correct answer is **option (b) ADBC** because rearranging the bold words in this sequence creates a grammatically correct and meaningful sentence. Here's the explanation:

- **Part (A):** "the Houthis, who control parts of Yemen," introduces the subject of the sentence, the Houthis, and gives information about their control in Yemen.
- **Part (D):** "have survived multiple air strikes by" follows logically, stating that the Houthis have survived air strikes.
- **Part (B):** "foreign powers ever since they" continues by explaining that these air strikes were carried out by foreign powers.
- **Part (C):** "captured Sana'a, Yemen's capital, in 2014" completes the sentence, providing the historical context of when the Houthis captured Sana'a, the capital of Yemen.

The rearranged sentence is: **"The Houthis, who control parts of Yemen, have survived multiple air strikes by foreign powers ever since they captured Sana'a, Yemen's capital, in 2014."**

This makes **option (b) ADBC** the correct answer.

- Q.3** (A) complex issue; punishment
(B) alone cannot change society
(C) creating a safer environment for
(D) women and children is a

In the following question, a sentence is divided into few parts. Rearrange these parts and identify the correct sequence making the sentence grammatically and contextually correct.

- A. CADB
B. CDAB

- C. DACB
- D. DBCA
- E. No rearrangement required

Answer: B

Sol: The correct answer is **option (b) CDAB** because rearranging the bold words in this sequence makes the sentence grammatically correct and meaningful. Here's the explanation:

- **Part (C):** "creating a safer environment for" introduces the topic, which is about creating a safer environment.
- **Part (D):** "women and children is a" follows logically, specifying that the safer environment is for women and children.
- **Part (A):** "complex issue; punishment" continues by explaining that this is a complex issue, and addresses the idea of punishment.
- **Part (B):** "alone cannot change society" completes the sentence by stating that punishment alone is not sufficient to change society.

The rearranged sentence is: "**Creating a safer environment for women and children is a complex issue; punishment alone cannot change society.**"

This makes **option (b) CDAB** the correct answer.

- Q.4** (A) challenge India can take on
(B) not easy but it is a
(C) young, and aspirational population is
(D) gainfully employing a large,

In the following question, a sentence is divided into few parts. Rearrange these parts and identify the correct sequence making the sentence grammatically and contextually correct.

- A. DCBA
- B. DBCA
- C. CDBA
- D. CADB
- E. No rearrangement required

Answer: A

Sol: The correct answer is **option (a) DCBA** because rearranging the bold words in this sequence makes the sentence grammatically correct and meaningful. Here's the explanation:

- **Part (D):** "gainfully employing a large," starts the sentence, introducing the challenge of employing a large population.
- **Part (C):** "young, and aspirational population is" follows logically, specifying that the population being employed is young and aspirational.
- **Part (B):** "not easy but it is a" continues by stating that this task is not easy but still a significant challenge.
- **Part (A):** "challenge India can take on" completes the sentence, asserting that despite the difficulty, it is a challenge India can handle.

The correct sentence after rearrangement is: "**Gainfully employing a large, young, and aspirational population is not easy, but it is a challenge India can take on.**"

This makes **option (a) DCBA** the correct answer.

- Q.5** Which of the following statements is incorrect based on the information given in the passage?

Read the following passage and answer the given questions.

The Kumbh Mela symbolizes faith, unity, and humanity's timeless connection to the divine. It commemorates the spilling of the nectar of immortality (amrit) at four sacred sites – Prayagraj, Haridwar, Ujjain, and Nashik – during a cosmic struggle, with its timing dictated by celestial alignments. Over time, Kumbh Mela has evolved, blending ancient traditions with modern innovations.

On February 4, 2019, Kumbh Mela witnessed the largest peaceful gathering of humanity ever recorded. This extraordinary event is a celebration of faith, community, and commerce. With fairs, educational events, religious discourses by saints, mass gatherings of monks and diverse entertainment, the Kumbh exemplifies the vibrant ethos of Indian society.

The 2019 edition in Prayagraj was particularly remarkable, hosting an estimated 240 million visitors over 50 days, with 30 million attending on February 4 alone. Held at the confluence of the Ganga, Yamuna, and the fabled Saraswati rivers, preparations included a sprawling tent city across 3,200 hectares with 440 km of temporary roads, 22 pontoon bridges, nearly 50,000 LED streetlights, and extensive sanitation infrastructure.

Prime Minister Narendra Modi's visit to the Kumbh Mela in 2019 was a gesture of gratitude to the organizers and workers who made the event a global success.

The 2019 Kumbh set new benchmarks for cleanliness and public sanitation. Compared to just 5,000 community toilets in 2013, the 2019 event saw 122,500 toilets, complemented by 20,000 dustbins and 160 waste transport vehicles. Innovative measures, such as water jet spray machines for cleaning, significantly reduced water wastage and eased sanitation work.

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- A. The Kumbh Mela commemorates the spilling of the nectar of immortality at four sacred sites.
- B. The 2019 Kumbh Mela at Prayagraj hosted over 240 million visitors in a span of 50 days.
- C. Multilingual information centers and guided tours were introduced to cater to domestic visitors.
- D. The 2019 Kumbh Mela set benchmarks in sanitation, with over 120,000 community toilets.

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E. The Kumbh Mela is both a celebration of faith and a demonstration of Indian cultural ethos.

Answer: C

Sol: The incorrect statement is: (c) Multilingual information centers and guided tours were introduced to cater to domestic visitors.

Explanation:

The passage specifically mentions that **multilingual information centers and guided tours were introduced to cater to foreign visitors**, not domestic ones. Thus, option (c) is incorrect based on the passage.

Analysis:

- **Option (a):** "The Kumbh Mela commemorates the spilling of the nectar of immortality at four sacred sites."
 - *Validation:* The passage mentions, "It commemorates the spilling of the nectar of immortality (amrit) at four sacred sites."
 - *Conclusion:* Correct.
- **Option (b):** "The 2019 Kumbh Mela at Prayagraj hosted over 240 million visitors in a span of 50 days."
 - *Validation:* The passage states, "The 2019 edition in Prayagraj was particularly remarkable, hosting an estimated 240 million visitors over 50 days."
 - *Conclusion:* Correct.
- **Option (c):** "Multilingual information centers and guided tours were introduced to cater to domestic visitors."
 - *Validation:* The passage states, "Multilingual information centers and guided tours will cater to foreign visitors."
 - *Conclusion:* Incorrect.
- **Option (d):** "The 2019 Kumbh Mela set benchmarks in sanitation, with over 120,000 community toilets."
 - *Validation:* The passage highlights, "The 2019 event saw 122,500 toilets."
 - *Conclusion:* Correct.
- **Option (e):** "The Kumbh Mela is both a celebration of faith and a demonstration of Indian cultural ethos."
 - *Validation:* The passage describes the Kumbh Mela as "a celebration of faith, community, and commerce" and "exemplifies the vibrant ethos of Indian society."
 - *Conclusion:* Correct.

Q.6 What was a significant feature of the 2019 Kumbh Mela that contributed to its success in terms of sanitation?

Read the following passage and answer the given questions.

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- A. Construction of permanent toilet facilities across the venue.
- B. Deployment of multilingual information centers to assist visitors.
- C. Use of water jet spray machines for cleaning to reduce water wastage.
- D. Implementation of an automated waste collection and disposal system.
- E. Focus on guided tours and spiritual tourism packages.

Answer: C

Sol:

The passage mentions that **water jet spray machines** were introduced during the 2019 Kumbh Mela, reducing water wastage and easing sanitation work.

Analysis:

- **Option (a):** "Construction of permanent toilet facilities across the venue."
 - *Explanation:* The toilets mentioned in the passage were temporary community toilets, not permanent facilities.
 - *Conclusion:* Incorrect.
- **Option (b):** "Deployment of multilingual information centers to assist visitors."
 - *Explanation:* While information centers were introduced, they were for foreign visitors, not directly related to sanitation.
 - *Conclusion:* Incorrect.
- **Option (c):** "Use of water jet spray machines for cleaning to reduce water wastage."
 - *Validation:* The passage states, "Innovative measures, such as water jet spray machines for cleaning, significantly reduced water wastage."
 - *Conclusion:* Correct.
- **Option (d):** "Implementation of an automated waste collection and disposal system."
 - *Explanation:* The passage does not mention an automated waste collection system, only waste transport vehicles.

- *Conclusion:* Incorrect.
- **Option (e):** "Focus on guided tours and spiritual tourism packages."
- *Explanation:* These initiatives were related to enhancing global appeal, not sanitation.
- *Conclusion:* Incorrect.

Q.7 Which of the following statements is/are correct based on the information given in the passage?

- (I) The Kumbh Mela represents a harmonious blend of ancient traditions and modern innovations.
 (II) The 2019 Kumbh Mela at Prayagraj witnessed the largest peaceful gathering of humanity ever recorded.
 (III) The 2019 Kumbh Mela made provisions for differently abled individuals, including wheelchair-accessible zones and personalized assistance.

Read the following passage and answer the given questions.

The Kumbh Mela symbolizes faith, unity, and humanity's timeless connection to the divine. It commemorates the spilling of the nectar of immortality (amrit) at four sacred sites – Prayagraj, Haridwar, Ujjain, and Nashik – during a cosmic struggle, with its timing dictated by celestial alignments. Over time, Kumbh Mela has evolved, blending ancient traditions with modern innovations.

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Prime Minister Narendra Modi's visit to the Kumbh Mela in 2019 was a gesture of gratitude to the organizers and workers who made the event a global success.

The 2019 Kumbh set new benchmarks for cleanliness and public sanitation. Compared to just 5,000 community toilets in 2013, the 2019 event saw 122,500 toilets, complemented by 20,000 dustbins and 160 waste transport vehicles. Innovative measures, such as water jet spray machines for cleaning, significantly reduced water wastage and eased sanitation work.

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- A. Only I
 B. Only II
 C. Only III
 D. Both I and II
 E. All I, II, and III

Answer: E

Sol:

All three statements are correct based on the passage.

Analysis:

- **Statement I:** "The Kumbh Mela represents a harmonious blend of ancient traditions and modern innovations."
 · *Validation:* The passage mentions, "Kumbh Mela has evolved, blending ancient traditions with modern innovations."
 · *Conclusion:* Correct.
- **Statement II:** "The 2019 Kumbh Mela at Prayagraj witnessed the largest peaceful gathering of humanity ever recorded."
 · *Validation:* The passage states, "On February 4, 2019, Kumbh Mela witnessed the largest peaceful gathering of humanity ever recorded."
 · *Conclusion:* Correct.
- **Statement III:** "The 2019 Kumbh Mela made provisions for differently abled individuals, including wheelchair-accessible zones and personalized assistance."
 · *Validation:* The passage mentions, "Inclusive provisions for differently abled individuals, including wheelchair-accessible zones and personalized assistance."
 · *Conclusion:* Correct.

Q.8 Which factor contributed significantly to the record-breaking attendance at the 2019 Kumbh Mela? Read the following passage and answer the given questions.

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- A. The introduction of political rallies and entertainment for the attendees.
- B. The confluence of three sacred rivers at the event's location.
- C. Prime Minister Modi's refusal to participate in the event.
- D. The inclusion of adventure sports and extreme tourism packages.
- E. The lack of sanitation facilities and temporary infrastructure.

Answer: B

Sol:

Correct Answer: (b) The confluence of three sacred rivers at the event's location.

Explanation:

The passage highlights that the 2019 Kumbh Mela took place at the confluence of the Ganga, Yamuna, and Saraswati rivers, which is a key spiritual and historical factor that contributed to the record-breaking attendance.

Why Other Options are Incorrect:

- (a) *The introduction of political rallies and entertainment for the attendees:* This is incorrect because the passage does not mention political rallies as a factor contributing to the attendance.
- (c) *Prime Minister Modi's refusal to participate in the event:* This is false, as the passage mentions Modi's visit as a gesture of gratitude.
- (d) *The inclusion of adventure sports and extreme tourism packages:* The passage does not mention adventure sports or extreme tourism, so this is incorrect.
- (e) *The lack of sanitation facilities and temporary infrastructure:* The passage actually describes improvements in sanitation and infrastructure, so this option is incorrect.

Q.9 What inclusive measure was implemented for differently abled individuals at the 2019 Kumbh Mela?

Read the following passage and answer the given questions.

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- A. Multilingual information centers to assist with navigation.
- B. Personalized assistance and wheelchair-accessible zones.
- C. Provision of guided tours tailored to their needs.
- D. Construction of temporary shelters with advanced facilities.
- E. Free entry passes for differently abled individuals and their families.

Answer: B

Sol:

Correct Answer: (b) Personalized assistance and wheelchair-accessible zones.

Explanation:

The passage mentions that inclusive provisions for differently abled individuals were made, including wheelchair-accessible zones and personalized assistance to ensure a welcoming environment for all.

Why Other Options are Incorrect:

- (a) *Multilingual information centers to assist with navigation:* While these were mentioned, they were specifically aimed at foreign visitors, not just differently-abled individuals.
- (c) *Provision of guided tours tailored to their needs:* Guided tours were mentioned, but not specifically for differently-abled individuals.

- (d) *Construction of temporary shelters with advanced facilities*: This was not specifically related to differently-abled individuals in the passage.
- (e) *Free entry passes for differently abled individuals and their families*: The passage does not mention anything about free entry passes for differently-abled individuals.

Q.10 What does the Kumbh Mela of 2025 aim to achieve, according to the passage?

Read the following passage and answer the given questions.

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- A. A complete abandonment of traditional practices in favor of technological advancements.
- B. A balance between honoring ancient traditions and embracing modern advancements.
- C. Record-breaking attendance by surpassing 10 million visitors.
- D. A focus on solely increasing trade and commerce, neglecting spiritual aspects.
- E. A focus on reducing international tourism and limiting access to foreign visitors.

Answer: B

Sol:

Correct Answer: (b) A balance between honoring ancient traditions and embracing modern advancements.

Explanation:

The passage explicitly mentions that the 2025 Mahakumbh Mela aims to be a spiritual and logistical marvel, uniting faith, innovation, and sustainability. It emphasizes India's ability to honor ancient traditions while embracing modern advancements.

Why Other Options are Incorrect:

- (a) *A complete abandonment of traditional practices in favor of technological advancements*: The passage does not suggest abandoning traditions but rather blending them with modern innovations.
- (c) *Record-breaking attendance by surpassing 10 million visitors*: The passage highlights a much higher attendance in 2019 (240 million), so this number is too low and incorrect.
- (d) *A focus on solely increasing trade and commerce, neglecting spiritual aspects*: The passage does not suggest focusing only on trade and commerce; it emphasizes a balance between spirituality and innovation.
- (e) *A focus on reducing international tourism and limiting access to foreign visitors*: The passage specifically mentions increasing international tourism through tourist-friendly initiatives, not reducing it.

Q.11 Which of the following words has a similar meaning to "UNPRECEDENTED" as highlighted in the passage?

Read the following passage and answer the given questions.

The Kumbh Mela symbolizes faith, unity, and humanity's timeless connection to the divine. It commemorates the spilling of the nectar of immortality (amrit) at four sacred sites – Prayagraj, Haridwar, Ujjain, and Nashik – during a cosmic struggle, with its timing dictated by celestial alignments. Over time, Kumbh Mela has evolved, blending ancient traditions with modern innovations.

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- A. Routine
- B. Ordinary
- C. Unique
- D. Predictable
- E. Limited

Answer: C

Sol:

The word "unprecedented" (अभूतपूर्व) in the passage is used to describe the scale and scope of the 2025 Mahakumbh Mela, which is poised to be a spiritual and logistical marvel "on an unprecedented scale." The context implies something that has never been done or seen before, which matches the meaning of "unique."

Analysis of Options

· **Option (a): Routine**

· **Meaning:** Something that is regular or habitual.

· **Hindi Meaning:** सामान्य कार्य

· **Explanation:** This contradicts the meaning of "unprecedented," which implies something extraordinary and unparalleled.

· **Option (b): Ordinary**

· **Meaning:** Common or not remarkable.

· **Hindi Meaning:** साधारण

· **Explanation:** The Mahakumbh Mela is described as extraordinary, making this option incorrect.

· **Option (c): Unique**

· **Meaning:** Being the only one of its kind; unparalleled.

· **Hindi Meaning:** अद्वितीय

· **Explanation:** This matches the meaning of "unprecedented," as used in the passage to describe an event that has no prior equivalent.

· **Option (d): Predictable**

· **Meaning:** Able to be foreseen or anticipated.

· **Hindi Meaning:** पूर्वानुमानित

· **Explanation:** The Mahakumbh Mela is described as extraordinary and groundbreaking, which contradicts the idea of being predictable.

· **Option (e): Limited**

· **Meaning:** Restricted in scope or extent.

· **Hindi Meaning:** सीमित

· **Explanation:** The passage emphasizes the grand and unparalleled nature of the Mahakumbh Mela, making this option incorrect.

Q.12 . Which of the following words has an opposite meaning to "multilingual" as highlighted in the passage?

Read the following passage and answer the given questions.

The Kumbh Mela symbolizes faith, unity, and humanity's timeless connection to the divine. It commemorates the spilling of the nectar of immortality (amrit) at four sacred sites – Prayagraj, Haridwar, Ujjain, and Nashik – during a cosmic struggle, with its timing dictated by celestial alignments. Over time, Kumbh Mela has evolved, blending ancient traditions with modern innovations.

On February 4, 2019, Kumbh Mela witnessed the largest peaceful gathering of humanity ever recorded. This extraordinary event is a celebration of faith, community, and commerce. With fairs, educational events, religious discourses by saints, mass gatherings of monks and diverse entertainment, the Kumbh exemplifies the vibrant ethos of Indian society.

The 2019 edition in Prayagraj was particularly remarkable, hosting an estimated 240 million visitors over 50 days, with 30 million attending on February 4 alone. Held at the confluence of the Ganga, Yamuna, and the fabled Saraswati rivers, preparations included a sprawling tent city across 3,200 hectares with 440 km of temporary roads, 22 pontoon bridges, nearly 50,000 LED streetlights, and extensive sanitation infrastructure.

Prime Minister Narendra Modi's visit to the Kumbh Mela in 2019 was a gesture of gratitude to the organizers and workers who made the event a global success.

The 2019 Kumbh set new benchmarks for cleanliness and public sanitation. Compared to just 5,000 community toilets in 2013, the 2019 event saw 122,500 toilets, complemented by 20,000 dustbins and 160 waste transport vehicles. Innovative measures, such as water jet spray machines for cleaning, significantly reduced water wastage and eased sanitation work.

To enhance its global appeal, tourist-friendly initiatives such as multilingual information centers and guided tours will cater to foreign visitors. Spiritual tourism packages, including heritage walks, will highlight the region's rich history. Inclusive provisions for differently abled individuals, including wheelchair-accessible zones and personalized assistance, will ensure a welcoming environment for all.

The 2025 Mahakumbh Mela is poised to be a spiritual and logistical marvel, uniting faith, innovation, and sustainability on an unprecedented scale. It reflects India's ability to honor our ancient traditions while embracing modern advancements, offering an unforgettable experience for millions worldwide.

- A. Monolingual
- B. Polyglot
- C. Diverse
- D. Multicultural
- E. Inclusive

Answer: A

Sol:

The word "multilingual" (बहुभाषी) in the passage refers to the use of multiple languages in information centers and guided tours aimed at enhancing the global appeal of the Kumbh Mela. "Multilingual" means the ability to use or accommodate many languages. The opposite meaning would be

conveyed by "monolingual," which refers to the use of only one language.

Analysis of Options

- **Option (a): Monolingual**
- **Meaning:** Using or speaking only one language.
- **Hindi Meaning:** एकभाषी
- **Explanation:** This directly opposes the meaning of "multilingual" as it refers to a single language.
- **Option (b): Polyglot**
- **Meaning:** A person who knows and uses several languages.
- **Hindi Meaning:** बहुभाषाविद्
- **Explanation:** This is synonymous with "multilingual," not its opposite.
- **Option (c): Diverse**
- **Meaning:** Showing a variety or range.
- **Hindi Meaning:** विविध
- **Explanation:** While "diverse" may imply variety, it does not specifically mean the use of multiple languages, so it is unrelated.
- **Option (d): Multicultural**
- **Meaning:** Relating to or representing several cultural or ethnic groups.
- **Hindi Meaning:** बहुसांस्कृतिक
- **Explanation:** This is related to culture, not language, so it is not the opposite of "multilingual."
- **Option (e): Inclusive**
- **Meaning:** Open to all and not excluding anyone.
- **Hindi Meaning:** समावेशी
- **Explanation:** This refers to acceptance and accessibility, not the number of languages, making it irrelevant.

Q.13

Column I

- (A) Although unfortunate, there is nothing the store could do
- (B) The man regretfully, resigned from his dream job
- (C) If you get discouraged with the trigonometry problem

Column II

- (D) about the elderly man's winning lottery ticket being stolen before he could cash it.
- (E) few people purchased tickets for the stage production.
- (F) the owners became discouraged about selling it.

In the following questions two columns are given containing three Sentences/phrases each. In first column, sentences/phrases are A, B and C and in the second column the sentences/phrases are D, E and F. A sentence/phrase from the first column may or may not connect with another sentence/phrase from the second column to make a grammatically and contextually correct sentence. Each question has five options, four of which display the sequence(s) in which the sentences/phrases can be joined to form a grammatically and contextually correct sentence. If none of the options given forms a correct sentence after combination, mark option "None of these" as your answer.

- A. Only (A)-(D)
- B. Only (B)-(E) and (C)-(F)
- C. Only (B)-(F)
- D. Only (C)-(D), (A)-(E) and (B)-(F)
- E. None of these

Answer: A

Sol:

Only (A) and (D) can make a meaningful sentence.

In (A)-(D): In (A), it mentioned that there has been an unfortunate event and the event is mentioned in (D). Thus, contextually suits each other. (D) starts with 'about' which makes it easier find the correct phrase for (A). The sentence will be, "Although unfortunate, there is nothing the store could do about the elderly man's winning lottery ticket being stolen before he could cash it."

Other statements formed by connecting the mentioned phrases are not comprehensible and also grammatically do not complement each other.

Q.14

COLUMN I

- (i) Musicians have to attune their instruments before playing
- (ii) If you want to get the best signal on any instrument of
- (iii) You can adjust yourself to any future situation

COLUMN II

- (iv) to get the exact sound that they want or need.
- (v) practice at anything will inevitably make you better at it.
- (vi) wasn't capable of picking up what we needed.

In the following questions two columns are given containing three sentences/phrases each. In first column, sentences/phrases are A, B and C and in the second column the sentences/phrases are D, E and F. A sentence/phrase from the first column may or may not connect with another sentence/phrase from the second column to make a grammatically and contextually correct sentence. Each question has five options, four of which display the sequence(s) in which the sentences/phrases can be joined to form a grammatically and contextually correct sentence. Choose appropriate option. If none of the options given forms a correct sentence after combination, i.e. "None of these" as your answer.

- A. (ii) and (iv)
- B. (i) and (iv)
- C. (iii) and (v)
- D. (i) and (vi)
- E. None of these

Answer: B

Sol:

The only complete sentence is "Musicians have to attune their instruments before playing to get the exact sound that they want or need." No other combinations exist for making a complete sentence.

Q.15 To promote a healthy lifestyle, it is essential to encourage regular _____ and _____ eating habits.
The following question has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits in the context of the sentence.

- A. exercise, balanced
- B. sedentary, unhealthy
- C. inactivity, excessive
- D. rest, irregular
- E. walk, excessive

Answer: A

Sol: (a) Exercise: Physical activity that is performed to improve or maintain health and fitness.
Balanced: Having equal or appropriate proportions of different components or aspects.
(b) Sedentary: Characterized by a lack of physical activity or prolonged sitting or reclining posture.
Unhealthy: Not conducive to good health, typically associated with negative effects on physical, mental, or emotional well-being.
(c) Inactivity: The state of not being physically active or engaging in minimal movement.
Excessive: Going beyond what is considered normal, appropriate, or healthy
(d) Rest: Taking a break from physical or mental exertion, allowing the body and mind to recover, recharge, and rejuvenate
Irregular: Not occurring at regular or predictable intervals.

Q.16 The manager provided _____ feedback to the team and _____ their efforts in meeting project deadlines.
The following question has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits in the context of the sentence.

- A. constructive, acknowledged
- B. destructive, appreciated
- C. foreseen, criticized
- D. vague, rescued
- E. constructive, delusion

Answer: A

Sol: Here are the meanings of the words in each option:
(a) constructive, acknowledged
Constructive: Serving a useful or beneficial purpose; positive and helpful.
Acknowledged: Recognized or accepted the truth, existence, or legality of something.
(b) destructive, appreciated
Destructive: Causing harm or damage.
Appreciated: Recognized the value or quality of something; felt gratitude or thankful.
(c) foreseen, criticized
Foreseen: Predicted or anticipated in advance.
Criticized: Indicated the faults or shortcomings; expressed disapproval.
(d) vague, rescued
Vague: Unclear or indefinite; not clearly expressed.
Rescued: Saved or delivered from danger or harm.
(e) constructive, delusion
Constructive: Serving a useful or beneficial purpose; positive and helpful.
Delusion: A false belief or opinion, often with a persistent conviction despite evidence to the contrary.

Q.17 The speaker delivered a/an _____ presentation, engaging the audience with _____ stories and persuasive arguments. The following question has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits in the context of the sentence.

- A. plausible, charming
- B. tempting, gruesome
- C. compelling, captivating
- D. gruesome, passive
- E. triggering, boring

Answer: C

Sol: (a) Plausible: Something that is believable or credible. Charming: Having an attractive or pleasing personality or appearance.
 (b) Tempting: Appealing or enticing, often in a desire-inducing way. Gruesome: Extremely unpleasant or horrifying, typically involving violence or death.
 (c) Compelling: Convincing or persuasive, evoking a strong interest or curiosity. Captivating: Entrhralling or fascinating, holding one's attention or imagination.
 (d) Gruesome: Extremely unpleasant or horrifying, typically involving violence or death. Passive: Not taking an active role or initiative, often characterized by inaction or submission.
 (e) Triggering: Provoking a strong emotional response or reaction, often related to past traumas or sensitive topics. Boring: Lacking interest or excitement, dull or unstimulating.

Q.18 Governor has not even _____ given any _____ why he is taking time in forwarding the Bill. Each of the following questions has sentence with two blanks. From the options given below the sentence, choose the pair of words which fits into both the blanks respectively and mark the letter corresponding to it as your answer.

- A. imperatively, analysis
- B. publicly, explanation
- C. remuneration, analysis
- D. imperative, explanation
- E. None of these

Answer: B

Sol: The correct pair of words for the given blank is 'publicly, explanation'. All other words are either grammatically or contextually incorrect. Imperative means absolutely necessary or required; unavoidable analysis means detailed examination of the elements or structure of something. publicly means so as to be seen by other people; in public. explanation means a statement or account that makes something clear. remuneration means money paid for work or a service.

Q.19 After India's independence, many Indian _____ entered the plantation sector largely because of the _____ of the British planters. Each of the following questions has sentence with two blanks. From the options given below the sentence, choose the pair of words which fits into both the blanks respectively and mark the letter corresponding to it as your answer.

- A. entrepreneurs, delayed
- B. corporates, famine
- C. impoverished, delayed
- D. entrepreneurs, departure
- E. None of these

Answer: D

Sol: The correct pair of words for the given blank is 'entrepreneurs, departure'. All other words are either grammatically or contextually incorrect. Entrepreneurs means a person who sets up a business or businesses, taking on financial risks in the hope of profit. famine means extreme scarcity of food. impoverished means deprived of strength or vitality. departure means the action of leaving, especially to start a journey. delayed means make (someone or something) late or slow.

Q.20 He reluctantly agreed (A)/ to help his friend move, (B)/ even though he had other plans (C)/ for the weekend. (D)
 Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The corresponding letter of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).

- A. A

- B. B
- C. C
- D. D
- E. No error

Answer: E

Sol: Correct Answer: (e) No error

Explanation:

The sentence is grammatically and idiomatically correct. Here's a breakdown:

1. **(A) "He reluctantly agreed":**

- Correct subject-verb agreement and proper adverb placement.
- **"Reluctantly"** modifies **"agreed"** appropriately.

2. **(B) "to help his friend move":**

- The infinitive **"to help"** is correctly used to indicate purpose.
- The phrase **"his friend move"** is appropriate and concise.

3. **(C) "even though he had other plans":**

- **"Even though"** is a proper subordinating conjunction expressing contrast.
- The past perfect **"had"** is correct to describe a prior plan.

4. **(D) "for the weekend":**

- The prepositional phrase **"for the weekend"** is accurate and fits the context.

Final Answer:

(e) No error

Bottom of Form

Q.21 She was thrilled (A)/ to receive the news (B)/ that she had been accept (C)/ into her dream university. (D)

Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The corresponding letter of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).

- A. A
- B. B
- C. C
- D. D
- E. No error

Answer: C

Sol:

Correct Answer: (c) C

Explanation:

The error lies in part C, where "accept" is incorrectly used. The correct word should be "accepted" to match the past perfect tense "had been."

Rule Explanation:

1. The phrase "had been" requires the past participle form of the verb, which in this case is "accepted."
 - Correct structure: *had been* + *past participle*.
 - Example: *She had been invited to the event.*
2. "Accept" is the base form of the verb, which is incorrect in this context.

Corrected Sentence:

*She was thrilled to receive the news that she had been **accepted** into her dream university.*

Final Answer:

(c) C is the part with the error. "Accept" should be replaced with "accepted."

Q.22 We renovated our house last winter, (A)/ and since then, (B)/ it has become a much more comfortably (C)/ and inviting space. (D)

Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The corresponding letter of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).

- A. A
- B. B
- C. C
- D. D
- E. No error

Answer: C

Sol:

Correct Answer: (c) C

Explanation:

The error lies in part C, where the word "comfortably" is used incorrectly. The correct word should be "comfortable" because it is describing the noun "space."

Rule Explanation:

1. **Adjective vs. Adverb:**

- "Comfortably" is an adverb and is used to modify verbs, adjectives, or other adverbs (e.g., *She sat comfortably*).
- "Comfortable" is an adjective and is used to describe nouns (e.g., *a comfortable chair*).
- In this sentence, the noun "space" is being described, so the adjective "comfortable" is required.

Corrected Sentence:

*We renovated our house last winter, and since then, it has become a much more **comfortable** and inviting space.*

Final Answer:

(c) C is the part with the error. "Comfortably" should be replaced with "comfortable."

Q.23 You can (A)/ either attend the morning session (B)/ or the afternoon workshop, but both not, (C)/ as they overlap. (D) Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The corresponding letter of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).

- A. A
- B. B
- C. C
- D. D
- E. No error

Answer: C

Sol: Correct Answer: (c) C

Explanation:

The phrase "but both not" in part C is grammatically incorrect and needs correction.

Rule Explanation:

1. "Either...or" is a correlative conjunction used to present two mutually exclusive choices. The phrase following it should clearly state that only one of the options can be chosen.
2. To correctly negate both options, the phrase should be structured as "but not both."

· Example: "You can either have tea or coffee, but not both."

Corrected Sentence:

*You can either attend the morning session or the afternoon workshop, **but not both**, as they overlap.*

Final Answer:

(c) C is the part with the error. "But both not" should be replaced with "but not both."

Q.24 Chocolate mousse is (A)/ one of the most decadent dessert (B)/ you can find on the menu (C)/ at this gourmet restaurant. (D) Read the sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The corresponding letter of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).

- A. A
- B. B
- C. C
- D. D
- E. No error

Answer: B

Sol:

Correct Answer: (b) B

Explanation:

The error lies in part B, where "dessert" is incorrectly used in its singular form.

Rule Explanation:

1. "One of the most" is used to refer to an item from a group or category. The noun following this phrase must be in its plural form because it refers to one among many.
2. In this case, "dessert" should be corrected to "desserts" to follow this rule.

· Example: "One of the most beautiful **places** in the world."

Corrected Sentence:

*Chocolate mousse is one of the most decadent **desserts** you can find on the menu at this gourmet restaurant.*

Final Answer:

(b) B is the part with the error. "Dessert" should be replaced with "desserts."

Q.25

- (I) The rain poured relentlessly
(II) the determined hiker continued trekking through the muddy trail

In the questions given below two sentences are given which are grammatically correct and meaningful. Connect them with the most suitable word given below the statements in the best possible way without changing the intended meaning. Choose your answer accordingly from the options to form a correct, coherent sentence.

- A. since
- B. indeed
- C. because
- D. yet
- E. eventually

Answer: D**Sol:**

"Yet" adjoins the two phrases correctly, making the sentence grammatically correct and contextually coherent.

Option (a) "since" indicates for the reason that; because., which is not suitable here as we are looking for a connector that shows a contrast or unexpected outcome.

Option (b) "indeed" indicates emphasis or agreement, but it doesn't properly connect the two phrases in terms of contrast or unexpected outcome.

Option (c) "because" indicates a cause, but it doesn't properly convey the contrast between the rain pouring relentlessly and the determined hiker continuing to trek through the muddy trail.

Option (d) "yet" is the correct choice. It indicates a contrast or unexpected outcome. Despite the rain pouring relentlessly, the determined hiker continued trekking through the muddy trail. This connector highlights the perseverance and determination of the hiker despite the challenging weather conditions.

Option (e) "eventually" is used to convey in the end, especially after a long delay, dispute, or series of problems, but it is not the best choice in this context as it is too similar to the meaning conveyed by option (d) "yet."

Therefore, the correct answer is (d) "yet."

Q.26

- (I) The researcher conducted extensive experiments
(II) gathering substantial evidence to support the hypothesis

In the questions given below two sentences are given which are grammatically correct and meaningful. Connect them with the most suitable word given below the statements in the best possible way without changing the intended meaning. Choose your answer accordingly from the options to form a correct, coherent sentence.

- A. whereas
- B. thereby
- C. such as
- D. besides
- E. although

Answer: B**Sol:**

"Thereby" adjoins the two phrases correctly, making the sentence grammatically correct and contextually coherent.

Option (a) "whereas" indicates a contrast or comparison, which is not suitable here as we are looking for a connector that shows a cause-and-effect or sequential relationship.

Option (b) "thereby" is the correct choice. It means as a result of or by means of something. In this context, it indicates that the researcher conducted extensive experiments, and as a result, they gathered substantial evidence to support the hypothesis.

Option (c) "such as" is used to provide examples, but it does not properly connect the two phrases in terms of cause and effect.

Option (d) "besides" indicates something in addition to or apart from something else, but it doesn't establish a clear relationship between the two phrases.

Option (e) "although" introduces a contrast or contradiction, which is not the intended relationship in this context.

Therefore, the correct answer is (b) "thereby."

Q.27 The convintion was filled with vendors selling various collectibles, from comics to antique jewelry.

In the following sentences, four words have been highlighted which may be misspelt or inappropriate in their usage. Mark the erroneous word as the answer and if all the words are correct in their spellings and usage, then choose 'All are correct' as the answer.

- A. convintion
- B. vendors
- C. collectibles
- D. antique
- E. All are correct

Answer: A

Sol:

Here are the meanings of the words in both **English** and **Hindi**, along with the explanation for the error:

Word Meanings:

- (a) **Convintion** (incorrect spelling)
- **Correct word:** Convention
- **English:** A large meeting or gathering, typically of people with a shared interest or purpose (e.g., a business convention or cultural event).
- **Hindi:** सम्मेलन, एक बड़ा सम्मेलन या सभा, जिसमें समान रुचि वाले लोग एकत्रित होते हैं।
- (b) **Vendors**
- **English:** People or businesses that sell goods or services.
- **Hindi:** विक्रेता, वे लोग या व्यवसाय जो सामान या सेवाएं बेचते हैं।
- (c) **Collectibles**
- **English:** Items that are considered valuable and are collected by people, often as a hobby.
- **Hindi:** संग्रहणीय वस्तुएं, वे वस्तुएं जो लोगों द्वारा संग्रहित की जाती हैं और जिन्हें मूल्यवान माना जाता है।
- (d) **Antique**
- **English:** An object that is old and often of value because of its age, rarity, or craftsmanship.
- **Hindi:** प्राचीन, पुरानी और बहुमूल्य वस्तु, जो अपनी आयु, दुर्लभता या कला के कारण मूल्यवान मानी जाती है।

Explanation of the error:

- The misspelled word is "**convintion**", which should be "**convention**."
 - The word "**convention**" refers to a large formal meeting or gathering, typically organized for a specific purpose.
 - The other words, "**vendors**," "**collectibles**," and "**antique**," are spelled correctly and are appropriate in the context of the sentence.
- Thus, the error is in (a) **convintion**, and the correct answer is (a) **convintion**.

Q.28 The amount of sugar needed for the technique was so minusule that it barely made a dent in the large bag she had purchased. In the following sentences, four words have been highlighted which may be misspelt or inappropriate in their usage. Mark the erroneous word as the answer and if all the words are correct in their spellings and usage, then choose 'All are correct' as the answer.

- A. amount
- B. technique
- C. minusule
- D. barely
- E. All are correct

Answer: C

Sol: The correct answer is (c) **minusule**.

Explanation:

The word "**minusule**" is misspelled. The correct spelling is "**minuscule**."

- **Minuscule** means something very small or tiny, which fits the context of the sentence.
- The other words, "**amount**," "**technique**," "**barely**," are all correctly spelled and appropriately used in the sentence.

Word Meanings:

- (a) **Amount**
- **English:** A quantity or measure of something.
- **Hindi:** मात्रा, कुछ की परिमाण या माप।
- (b) **Technique**
- **English:** A method or way of doing something.
- **Hindi:** तकनीक, कुछ करने का तरीका या विधि।
- (c) **Minusule** (incorrect spelling)
- **Correct word:** Minuscule
- **English:** Very small or tiny.
- **Hindi:** अति सूक्ष्म, बहुत छोटा।
- (d) **Barely**
- **English:** Only just; almost not.
- **Hindi:** मुश्किल से, केवल बस।

Thus, the error is in (c) **minusule**, and the correct answer is (c) **minusule**.

Q.29 The Centre needs to aggressively push for disbursing capex loans to states to achieve the annual budgeted target.

In the given question, four words are highlighted in bold, one of which might be incorrect or wrongly spelt. Choose the word which is incorrect as the answer choice.

- A. capex
- B. budgeted
- C. disbursing
- D. aggresively
- E. All are correct

Answer: D

Sol:

The incorrect word in this sentence is: (d) **aggresively**

The correct spelling is "**aggressively**" with a double "ss" instead of a single "s."

Here are the meanings of the words in both Hindi and English:

1. **capex** – Short for capital expenditure, referring to funds used by a company to acquire or upgrade physical assets.

· Hindi: पूँजीगत व्यय

2. **budgeted** – Planned or allocated in a budget.

· Hindi: बजट के अनुसार

3. **disbursing** – To pay out money, typically in the context of loans or funds.

· Hindi: वितरित करना

4. **aggressively** – In a forceful or assertive manner.

· Hindi: आक्रामक रूप से

The corrected sentence: The Centre needs to aggressively push for disbursing capex loans to states to achieve the annual budgeted target.

Thus, **option (d) aggressively** is the correct answer.

Q.30

(A) towards economic effort by weighting

(B) GSDP share in horizontal distribution

(C) efficiency over equity, shifting incentives

(D) the 16th Finance Commission prioritizes

The following question gives a sentence which has been divided into four parts which may not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. Choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence, mark option " No rearrangement required " as the answer.

A. CDBA

B. ABDC

C. DBCA

D. DCAB

E. No rearrangement required

Answer: D

Sol:

Correct Answer:

(d) DCAB

Explanation of the Sequence

1. D – "the 16th Finance Commission prioritizes"

2. Begins the sentence by stating who is taking the action.

3. C – "efficiency over equity, shifting incentives"

4. Explains what is being prioritized and the approach.

5. A – "towards economic effort by weighting"

6. Specifies how the prioritization is applied.

7. B – "GSDP share in horizontal distribution"

8. Concludes by mentioning the area of application: the GSDP share distribution.

Logical flow: **Subject (Finance Commission) → Action/priority → Method → Context/application**

Correct Sentence

"The 16th Finance Commission prioritizes efficiency over equity, shifting incentives towards economic effort by weighting GSDP share in horizontal distribution."

Summary of Flow

1. **Who** – The 16th Finance Commission.

2. **What** – Prioritizes efficiency over equity.

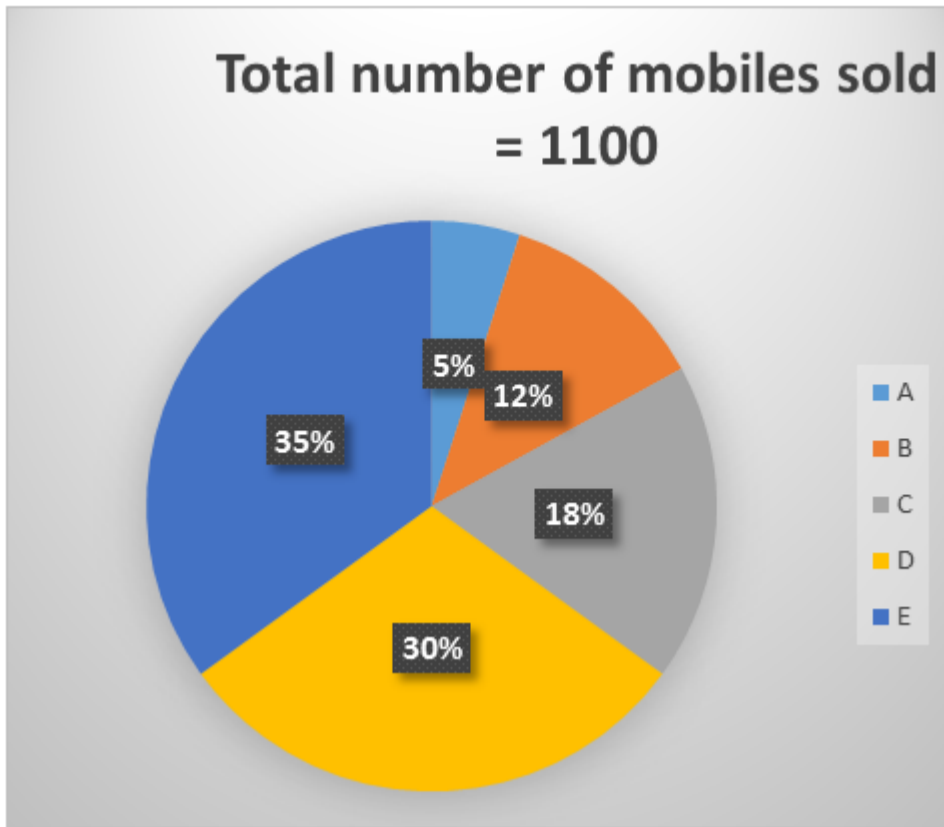
3. **How** – By weighting towards economic effort.

4. **Where/Context** – In the GSDP share horizontal distribution.

Q.31 Find the central angle of number of mobiles sold by shop D.

Pie chart given below shows the percentage distribution of number of mobiles sold by five different shops (A, B, C, D and E). Read the

given chart carefully and answer the questions given below.



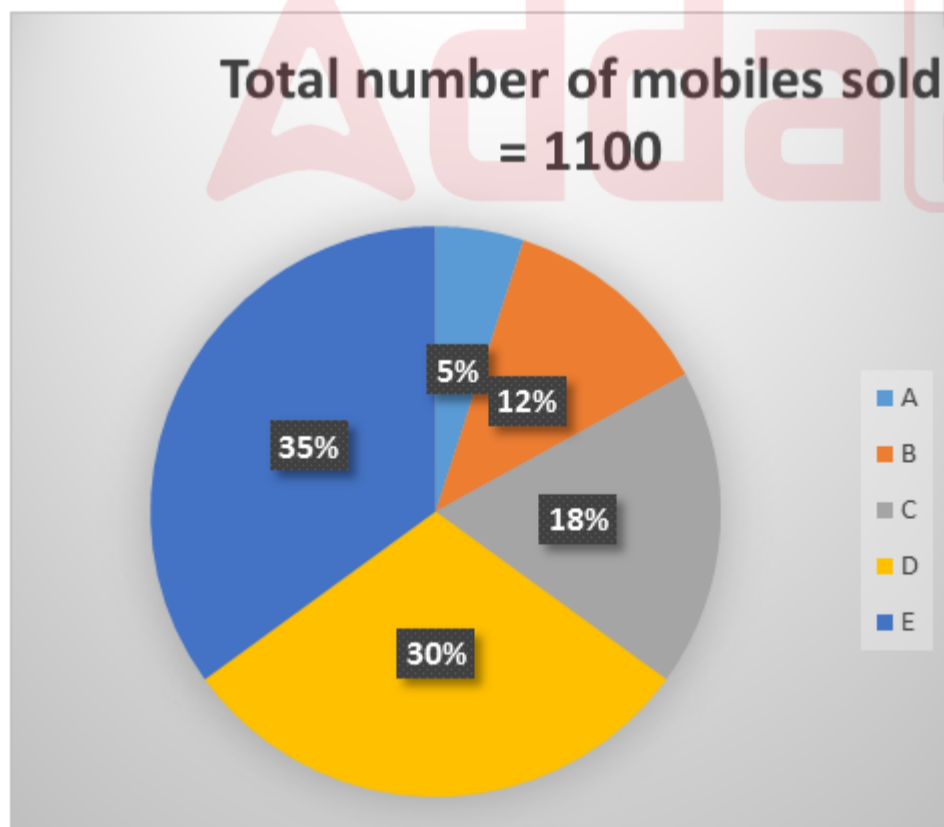
- A. 108°
- B. 18°
- C. 90°
- D. 36°
- E. 72°

Answer: A

Sol: Required central angle = $\frac{360 \times 30}{100} = 108^\circ$

Q.32 Find the respective ratio of number of mobiles sold by D and E together to that by A and B together.

Pie chart given below shows the percentage distribution of number of mobiles sold by five different shops (A, B, C, D and E). Read the given chart carefully and answer the questions given below.



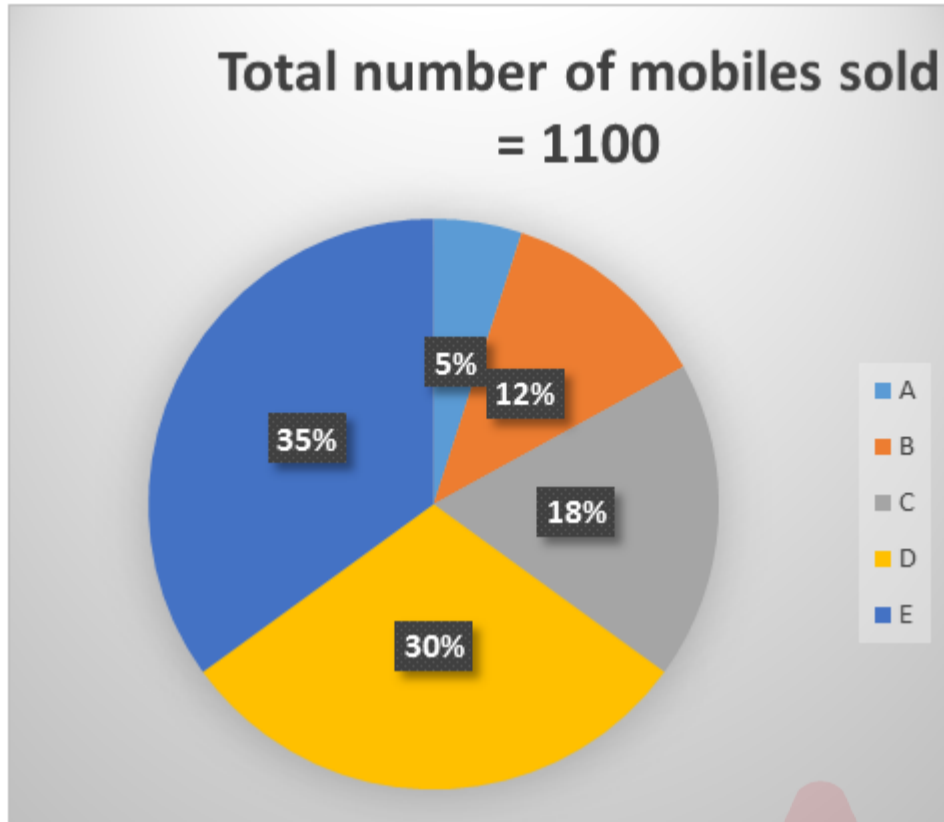
- A. 17:35
- B. 65:17
- C. 25:17
- D. 17:25
- E. 23:24

Answer: B

Sol: Required ratio = $30\% + 35\% : 5\% + 12\% = 65:17$

Q.33 Find number of mobiles sold by B and C together is what percentage of number of mobiles sold by D.

Pie chart given below shows the percentage distribution of number of mobiles sold by five different shops (A, B, C, D and E). Read the given chart carefully and answer the questions given below.



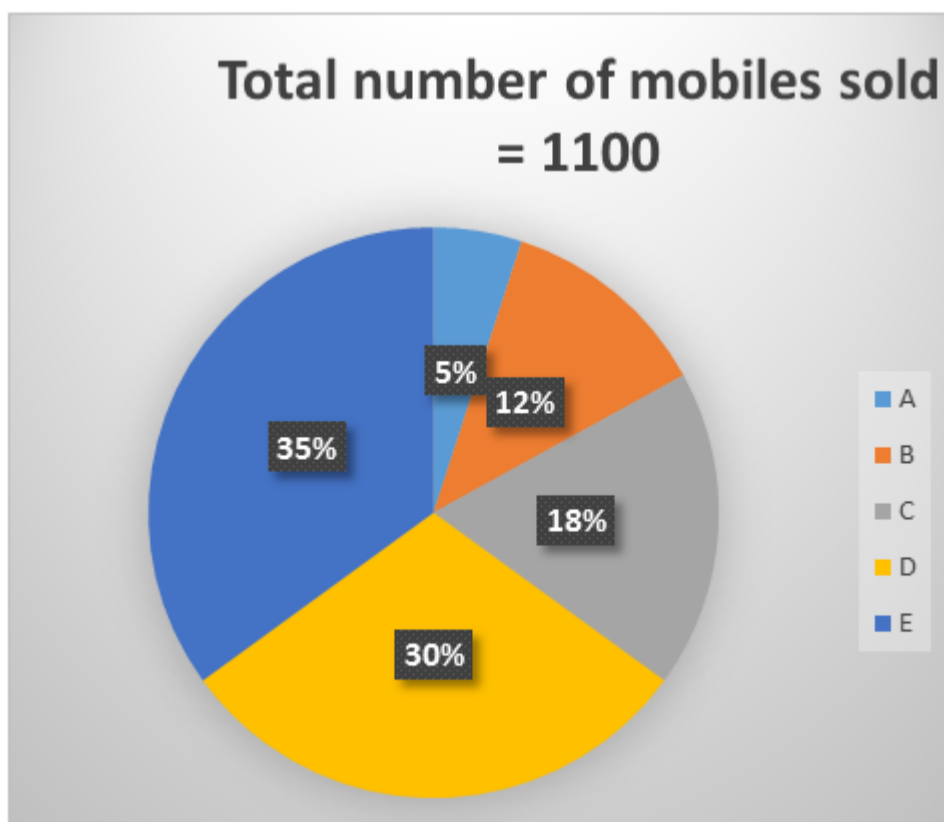
- A. 120%
- B. 75%
- C. 100%
- D. 50%
- E. 20%

Answer: C

Sol: Required percentage = $\frac{12\% + 18\%}{30\%} \times 100 = 100\%$

Q.34 Find the average of number of mobiles sold by B, D and C.

Pie chart given below shows the percentage distribution of number of mobiles sold by five different shops (A, B, C, D and E). Read the given chart carefully and answer the questions given below.



- A. 190

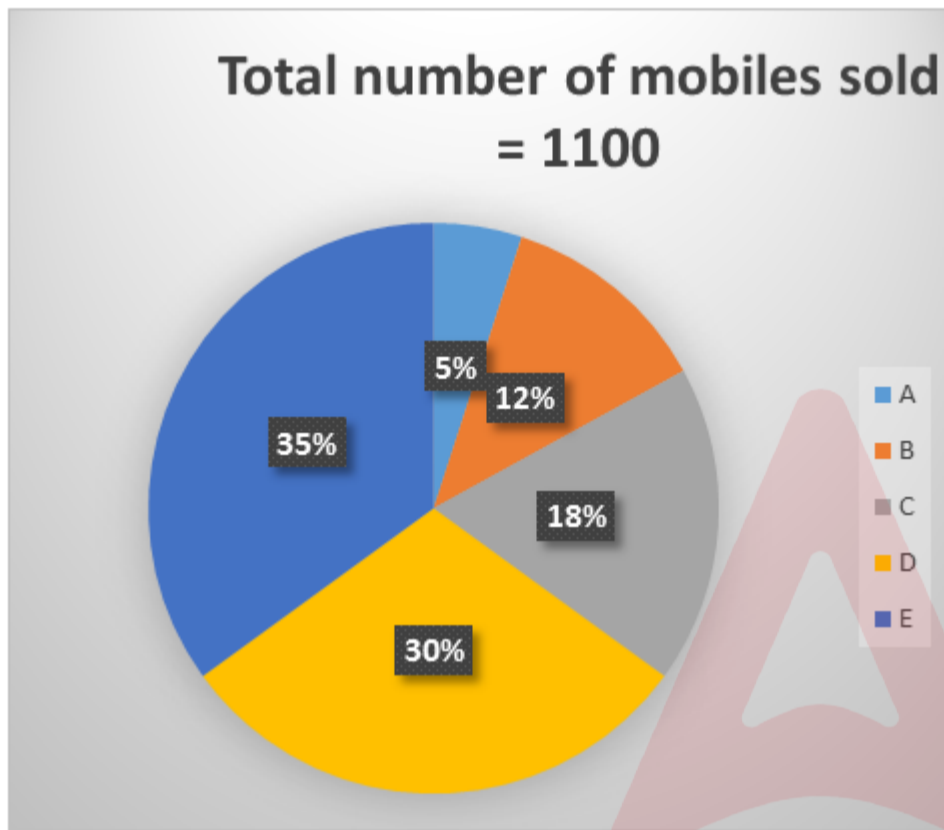
- B. 200
- C. 210
- D. 220
- E. 230

Answer: D

Sol: Required average = $\frac{(12\%+18\%+30\%)\times 1100}{3} = 220$

Q.35 If the number of mobiles sold by shop F and shop G is 20% more than D and 40% more than A respectively, then find the sum of mobile sold by F and G.

Pie chart given below shows the percentage distribution of number of mobiles sold by five different shops (A, B, C, D and E). Read the given chart carefully and answer the questions given below.



- A. 477
- B. 444
- C. 475
- D. 470
- E. 473

Answer: E

Sol: Total mobiles sold by shop F and shop G = $\frac{120}{100} \times 1100 \times \frac{30}{100} + \frac{140}{100} \times 1100 \times \frac{5}{100}$
 $= 396 + 77$
 $= 473$

Q.36 I. $x^2 + 7x + 12 = 0$
 II. $y^2 + 11y + 30 = 0$

In each of the following questions two equations are given. Solve these equations and give answer:

- A. if $x > y$
- B. if $x < y$
- C. if $x \geq y$
- D. if $x \leq y$
- E. if $x = y$ or there is no relation between x and y

Answer: A

Sol:

$$\begin{aligned} \text{I. } x^2 + 7x + 12 &= 0 \\ x^2 + 3x + 4x + 12 &= 0 \\ x(x + 3) + 4(x + 3) &= 0 \\ (x + 3)(x + 4) &= 0 \\ x &= -3, -4 \\ \text{II. } y^2 + 11y + 30 &= 0 \\ y^2 + 5y + 6y + 30 &= 0 \\ y(y + 5) + 6(y + 5) &= 0 \\ (y + 5)(y + 6) &= 0 \\ y &= -5, -6 \\ \text{So, } x &> y \end{aligned}$$

Q.37 I. $x^2 - 25x + 100 = 0$
II. $y^2 - 27y + 152 = 0$

In each of these questions, two equation (I) and (II) are given. You have to solve both the equations and give answer

- A. If $x > y$
- B. If $x \geq y$
- C. If $x < y$
- D. If $x \leq y$
- E. If $x = y$ or no relation can be established between x and y

Answer: E

Sol: I:
 $x^2 - 25x + 100 = 0$
 $x^2 - 20x - 5x + 100 = 0$
 $x(x - 20) - 5(x - 20) = 0$
 $(x - 20)(x - 5) = 0$
 $x = 20, 5$
 II:
 $y^2 - 27y + 152 = 0$
 $y^2 - 19y - 8y + 152 = 0$
 $y(y - 19) - 8(y - 19) = 0$
 $(y - 19)(y - 8) = 0$
 $y = 19, 8$
 So, relation can't be established.

Q.38 I. $x^2 - 14x - 207 = 0$
II. $y^2 + 21y + 108 = 0$

In each of these questions, two equation (I) and (II) are given. You have to solve both the equations and give answer

- A. If $x > y$
- B. If $x \geq y$
- C. If $x < y$
- D. If $x \leq y$
- E. If $x = y$ or no relation can be established between x and y

Answer: B

Sol: I:
 $x^2 - 14x - 207 = 0$
 $x^2 - 23x + 9x - 207 = 0$
 $x(x - 23) + 9(x - 23) = 0$
 $(x - 23)(x + 9) = 0$
 $x = 23, -9$
 II:
 $y^2 + 21y + 108 = 0$
 $y^2 + 12y + 9y + 108 = 0$
 $y(y + 12) + 9(y + 12) = 0$
 $(y + 12)(y + 9) = 0$
 $y = -12, -9$
 So, $x \geq y$

Q.39 I. $2x^2 - 13x + 20 = 0$
II. $2y^2 - 18y + 40 = 0$

In each of these questions, two equation (I) and (II) are given. You have to solve both the equations and give answer.

- A. If $x > y$
- B. If $x \geq y$
- C. If $x < y$
- D. If $x \leq y$
- E. If $x = y$ or no relation can be established between x and y

Answer: D

Sol: I: $2x^2 - 13x + 20 = 0$
 $2x^2 - 8x - 5x + 20 = 0$
 $2x(x - 4) - 5(x - 4) = 0$
 $(x - 4)(2x - 5) = 0$
 $x = 4, \frac{5}{2}$
 II: $2y^2 - 18y + 40 = 0$
 $2y^2 - 10y - 8y + 40 = 0$
 $2y(y - 5) - 8(y - 5) = 0$
 $(2y - 8)(y - 5) = 0$
 $y = 4, 5$
 So, $x \leq y$

Q.40 I. $x^2 - 30x + 216 = 0$
II. $y^2 - 21y + 108 = 0$

In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer.

- A. if $x > y$
- B. if $x \geq y$
- C. if $x < y$
- D. if $x \leq y$
- E. if $x = y$ or no relation can be established between x and y

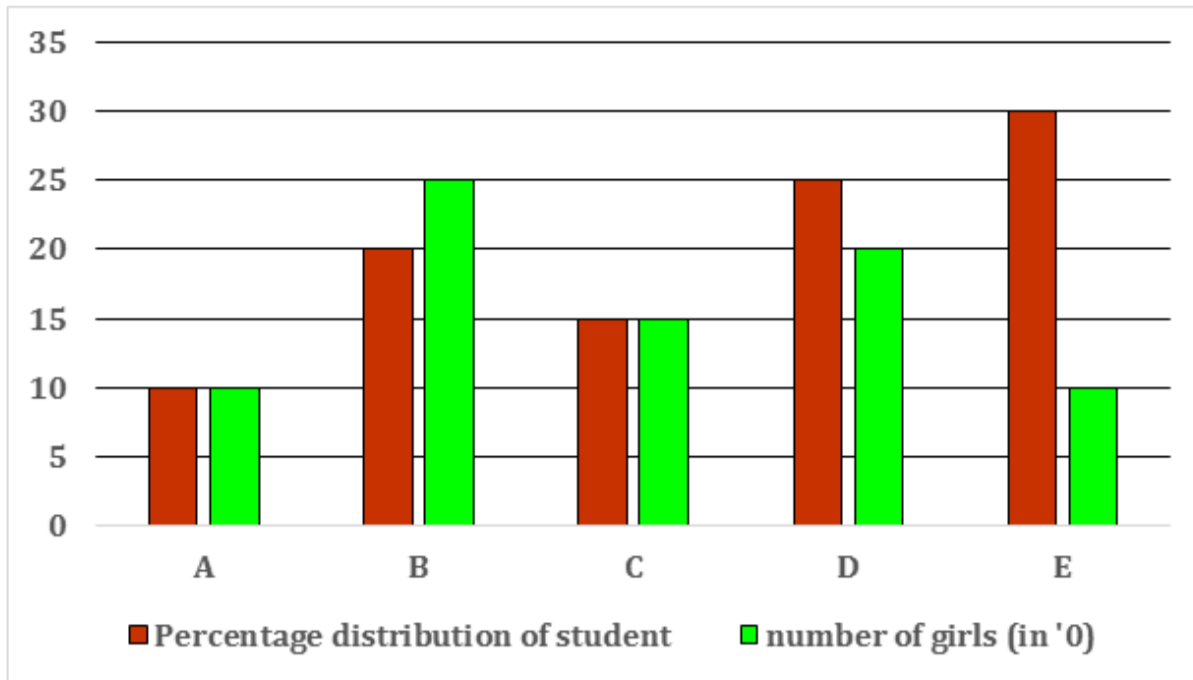
Answer: B

Sol: I. $x^2 - 30x + 216 = 0$
 $x^2 - 12x - 18x + 216 = 0$
 $x(x - 12) - 18(x - 12) = 0$
 $(x - 18)(x - 12) = 0$
 $x = 18, 12$
 II. $y^2 - 21y + 108 = 0$
 $y^2 - 12y - 9y + 108 = 0$
 $y(y - 12) - 9(y - 12) = 0$
 $(y - 9)(y - 12) = 0$
 $y = 9, 12$
 So, $x \geq y$

Q.41 Find the average number of boys in A and B?

The bar graph given below shows the percentage distribution of total number students in five different sections (A, B, C, D & E) of class 5th and bar graph also shows total number of girls in these five sections of class 5th. Read the bar graph carefully and answer the following question.

Note: Total number of students in class 5th = 1500.



- A. 150
- B. 50
- C. 100
- D. 75
- E. 25

Answer: B

Sol:

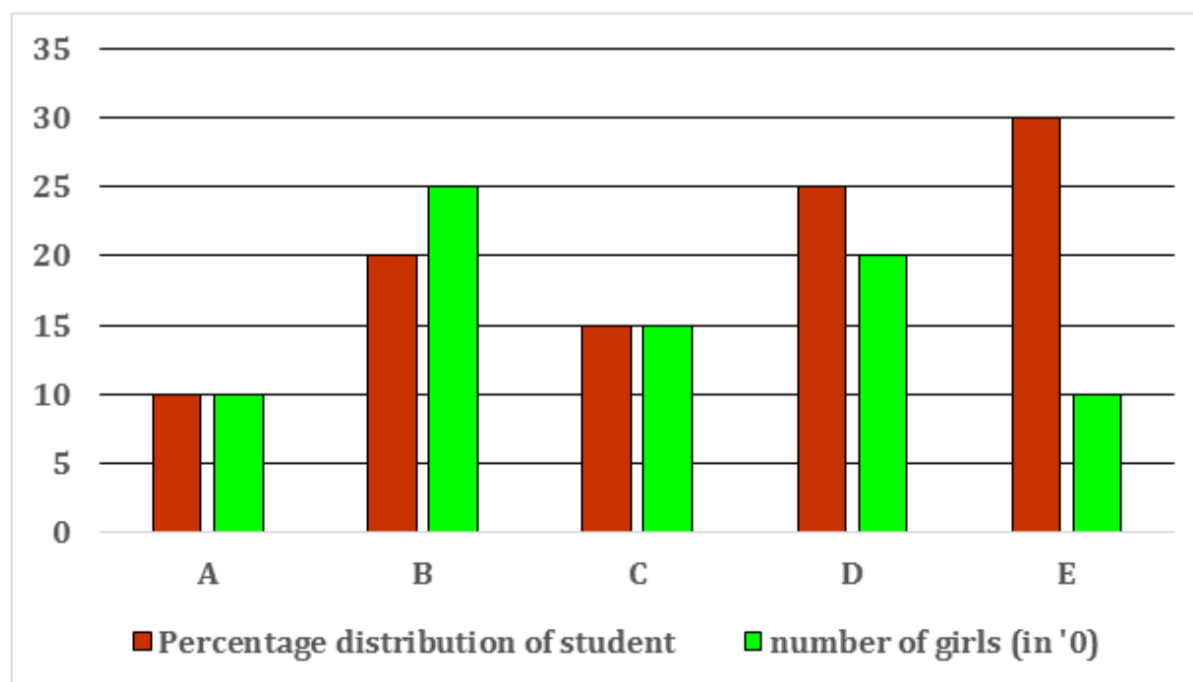
Sections	Total students	Number of girls	Number of boys
A	$1500 \times \frac{10}{100} = 150$	100	$150 - 100 = 50$
B	$1500 \times \frac{20}{100} = 300$	250	$300 - 250 = 50$
C	$1500 \times \frac{15}{100} = 225$	150	$225 - 150 = 75$
D	$1500 \times \frac{25}{100} = 375$	200	$375 - 200 = 175$
E	$1500 \times \frac{30}{100} = 450$	100	$450 - 100 = 350$

$$\text{Required average} = \frac{50+50}{2} = 50$$

Q.42 Find the ratio of total number of students in B & E together to the total number of students in C & D together?

The bar graph given below shows the percentage distribution of total number students in five different sections (A, B, C, D & E) of class 5th and bar graph also shows total number of girls in these five sections of class 5th. Read the bar graph carefully and answer the following question.

Note: Total number of students in class 5th = 1500.



- A. 5:3
- B. 5:7
- C. 5:9
- D. 5:4
- E. 4:3

Answer: D

Sol:

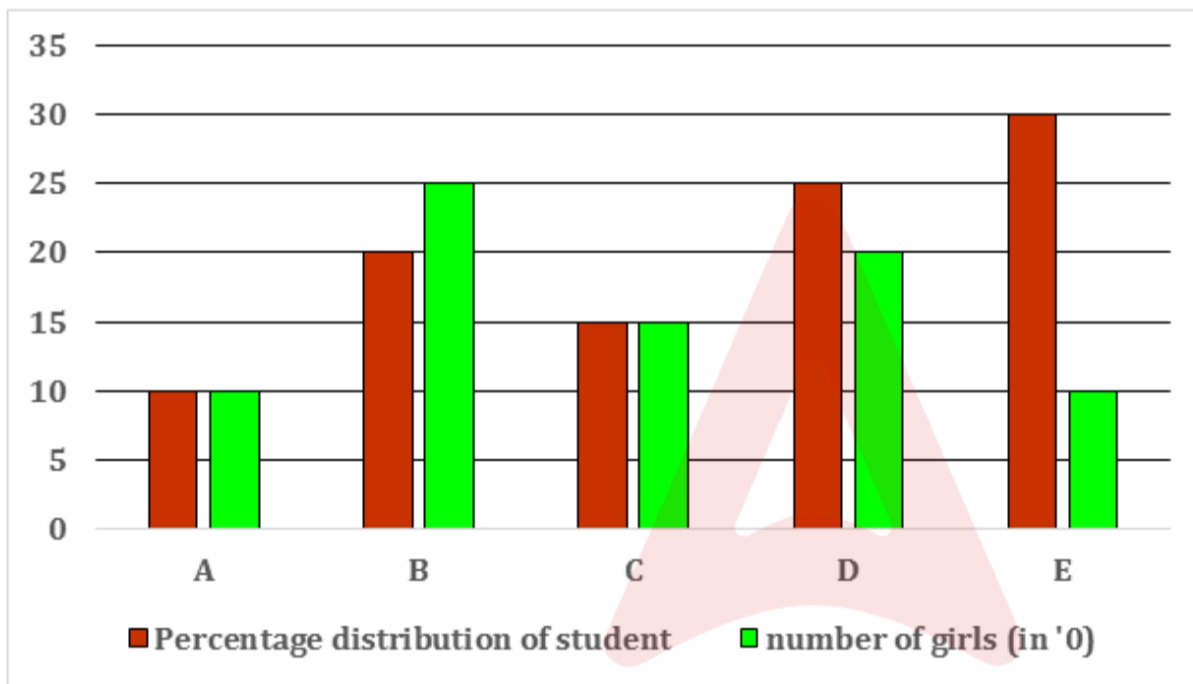
Sections	Total students	Number of girls	Number of boys
A	$1500 \times \frac{10}{100} = 150$	100	$150 - 100 = 50$
B	$1500 \times \frac{20}{100} = 300$	250	$300 - 250 = 50$
C	$1500 \times \frac{15}{100} = 225$	150	$225 - 150 = 75$
D	$1500 \times \frac{25}{100} = 375$	200	$375 - 200 = 175$
E	$1500 \times \frac{30}{100} = 450$	100	$450 - 100 = 350$

Required ratio = $(300+450):(225+375)$
 = 750:600
 = 5:4

Q.43 Find the difference between total number of girls and total number of boys in all the five sections?

The bar graph given below shows the percentage distribution of total number students in five different sections (A, B, C, D & E) of class 5th and bar graph also shows total number of girls in these five sections of class 5th. Read the bar graph carefully and answer the following question.

Note: Total number of students in class 5th = 1500.



- A. 100
- B. 200
- C. 300
- D. 400
- E. 500

Answer: A

Sol:

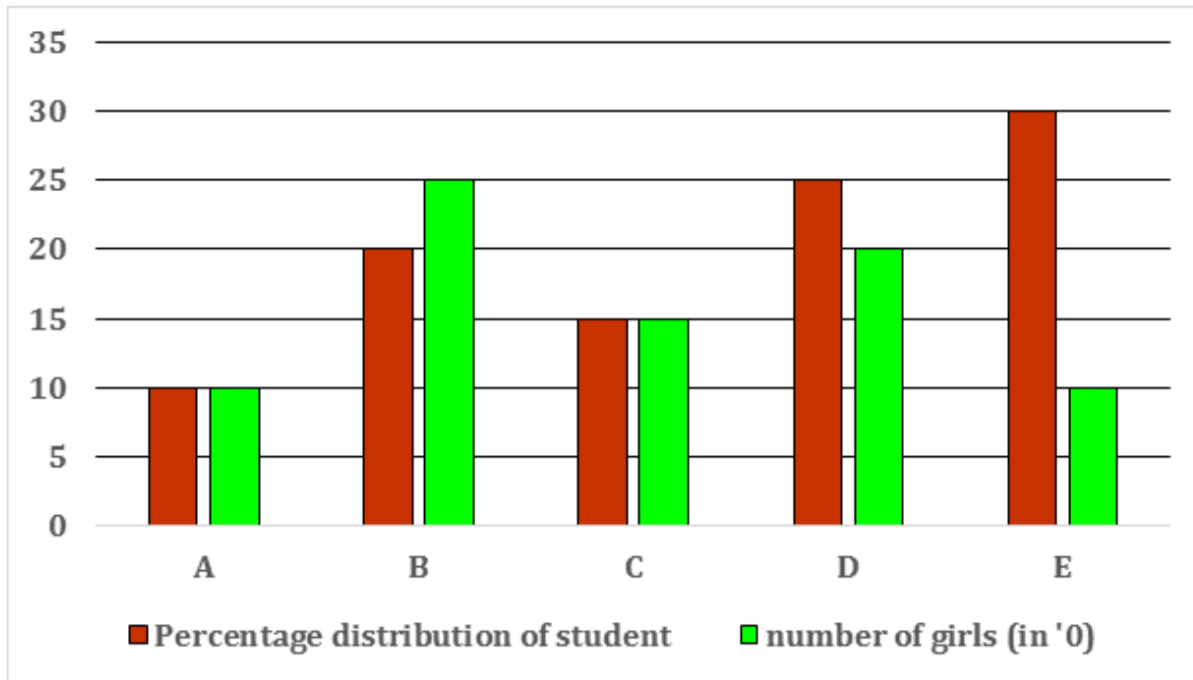
Sections	Total students	Number of girls	Number of boys
A	$1500 \times \frac{10}{100} = 150$	100	$150 - 100 = 50$
B	$1500 \times \frac{20}{100} = 300$	250	$300 - 250 = 50$
C	$1500 \times \frac{15}{100} = 225$	150	$225 - 150 = 75$
D	$1500 \times \frac{25}{100} = 375$	200	$375 - 200 = 175$
E	$1500 \times \frac{30}{100} = 450$	100	$450 - 100 = 350$

Total number of students = 1500
 Total number of girls = $100+250+150+200+100=800$
 Total number of boys = $1500-800=700$
 Required difference = $800-700=100$

Q.44 If in section C, 30% of girls and 33 (1/3)% of boys failed in an examination, then find total number of students (girls + boys) who passed in the examination (All students from section C participated in the examination)?

The bar graph given below shows the percentage distribution of total number students in five different sections (A, B, C, D & E) of class 5th and bar graph also shows total number of girls in these five sections of class 5th. Read the bar graph carefully and answer the following question.

Note: Total number of students in class 5th = 1500.



- A. 145
- B. 155
- C. 165
- D. 175
- E. 135

Answer: B

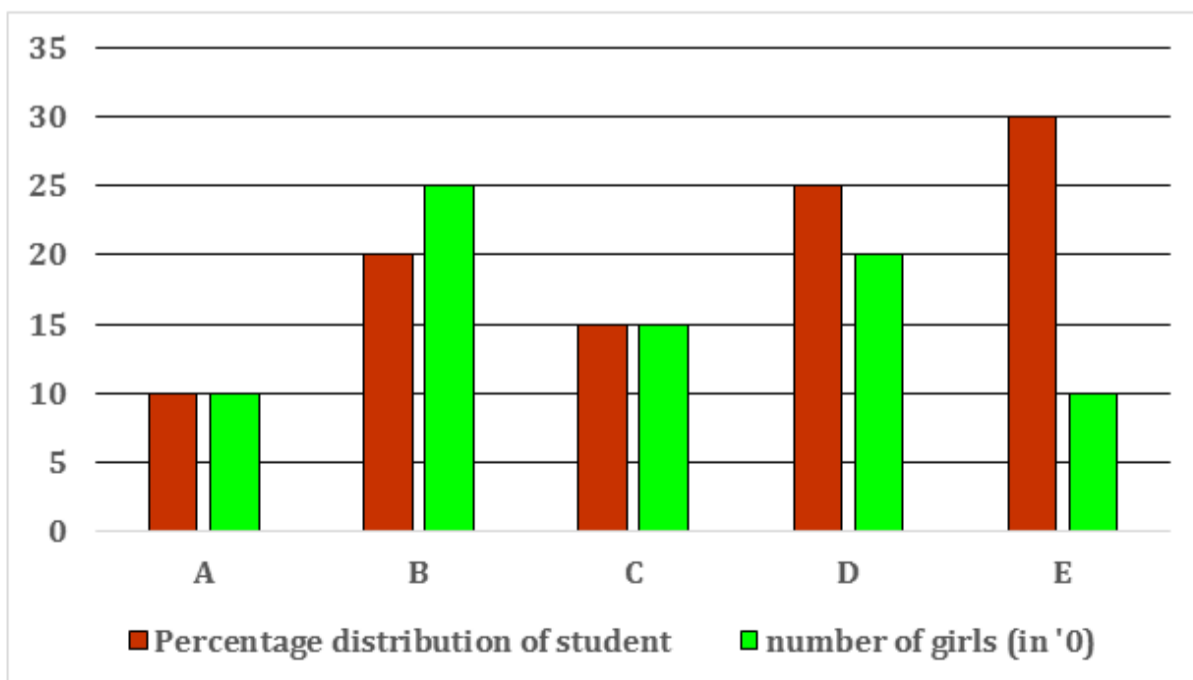
Sol:

Sections	Total students	Number of girls	Number of boys
A	$1500 \times \frac{10}{100} = 150$	100	$150 - 100 = 50$
B	$1500 \times \frac{20}{100} = 300$	250	$300 - 250 = 50$
C	$1500 \times \frac{15}{100} = 225$	150	$225 - 150 = 75$
D	$1500 \times \frac{25}{100} = 375$	200	$375 - 200 = 175$
E	$1500 \times \frac{30}{100} = 450$	100	$450 - 100 = 350$

$$\text{Student passed in the examination} = \frac{(100-30)}{100} \times 150 + \frac{2}{3} \times 75$$

$$= 105 + 50 = 155$$

Q.45 Total number of students in C is what percent of total number of boys in A & B together?
The bar graph given below shows the percentage distribution of total number students in five different sections (A, B, C, D & E) of class 5th and bar graph also shows total number of girls in these five sections of class 5th. Read the bar graph carefully and answer the following question.
Note: Total number of students in class 5th = 1500.



- A. 125%
- B. 225%
- C. 325%
- D. 255%
- E. 175%

Answer: B

Sol:

Sections	Total students	Number of girls	Number of boys
A	$1500 \times \frac{10}{100} = 150$	100	$150 - 100 = 50$
B	$1500 \times \frac{20}{100} = 300$	250	$300 - 250 = 50$
C	$1500 \times \frac{15}{100} = 225$	150	$225 - 150 = 75$
D	$1500 \times \frac{25}{100} = 375$	200	$375 - 200 = 175$
E	$1500 \times \frac{30}{100} = 450$	100	$450 - 100 = 350$

$$\text{Required percentage} = \frac{225}{(50+50)} \times 100 = 225\%$$

Q.46 A and B started a business by investing Rs. 2x and Rs. 3x respectively. After 6 months, C joined the business with an investment of Rs. 4x. If the total profit at the end of the year is Rs. 28,000, then find the share of B in the profit (in Rs).

- A. 12000
- B. 10500
- C. 11000
- D. 13000
- E. 11500

Answer: A

Sol: Given:

A's investment = Rs. 2x

B's investment = Rs. 3x

C's investment = Rs. 4x (joined after 6 months)

Total profit = Rs. 28,000

Formulas Used:

Profit share = Investment × Time period

Basic Explanation:

Profit sharing ratio = $2x \times 12 : 3x \times 12 : 4x \times 6$

= 24 : 36 : 24

= 2 : 3 : 2

Required profit = $28000 \times \frac{3}{2+3+2} = \text{Rs } 12000$

Exam Hall Method:

PARTNERSHIP SHORTCUT

	A	B	C
Inv	2	3	4
Time	(2)	(2)	(1)
Product	4	6	4
Final	2	3	2

Total = 7 units = 28,000
 ↳ 1 unit = 4,000

B (3u) = 12,000

Q.47 Jai scores 20% higher than Raj in an exam who scores 30% more than Ronit who scores 10% less than Ravi. What percent of marks are scored by Jai as compared to Ravi?

- A. 117%
- B. 140.4%
- C. 90%

- D. 127.8%
- E. None of these

Answer: B

Sol:

Information Given in the Question:

Jai scores 20% higher than Raj.
 Raj scores 30% more than Ronit.
 Ronit scores 10% less than Ravi.
 Find: Jai's marks as a percentage of Ravi's marks.

Concept/Formula Used in the Question:

"A is x% higher than B" => $A = B \times (1 + x/100)$

"A is x% less than B" => $A = B \times (1 - x/100)$

Detailed Explanation:

let marks scored by Ravi = x

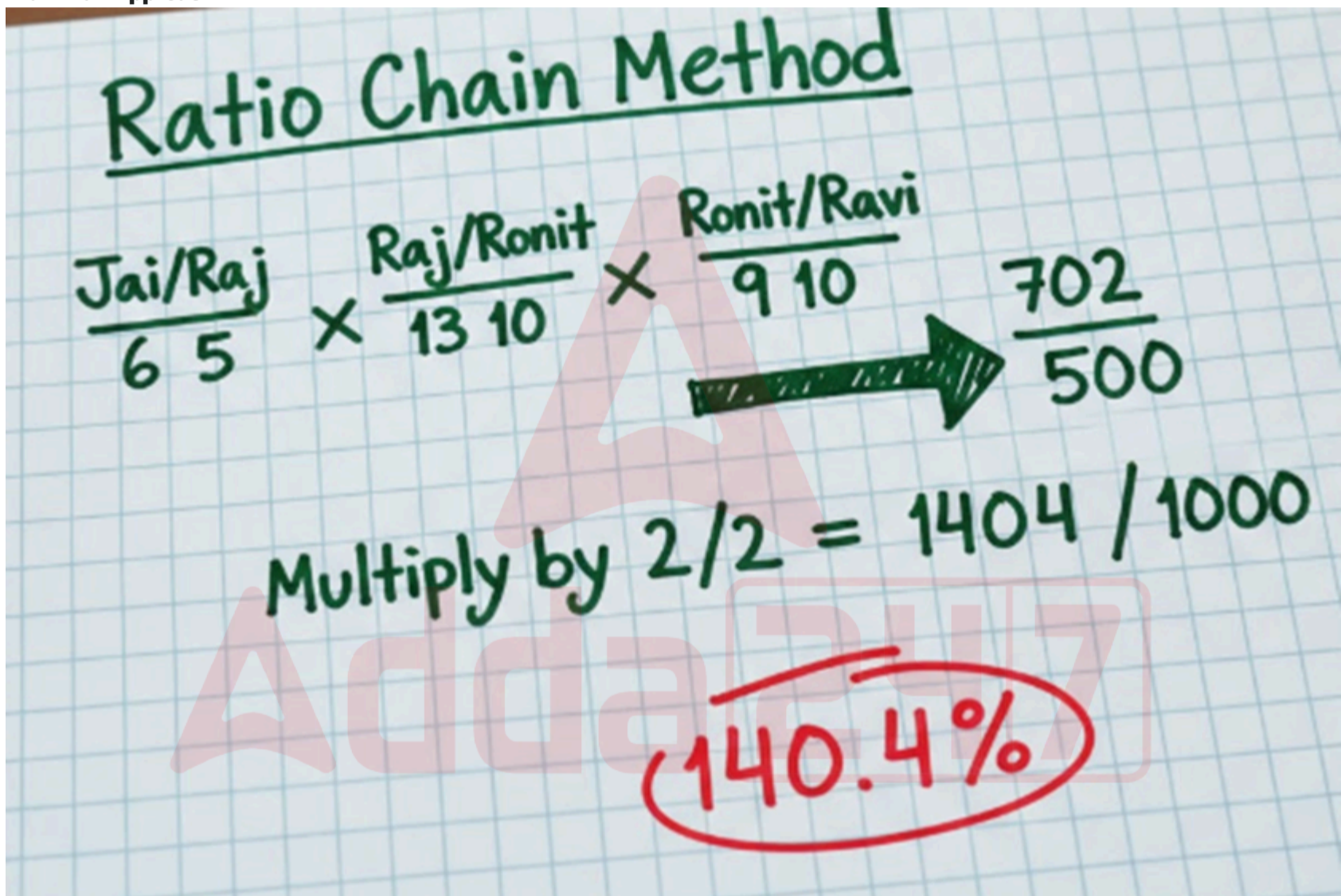
$$\text{Marks of Ronit} = \frac{90}{100}x = 0.9x$$

$$\text{Marks of Raj} = \frac{130}{100} \times 0.9x = 1.17x$$

$$\text{Marks of Jai} = \frac{120}{100} \times 1.17x = 1.404x$$

$$\text{Required \%} = \frac{1.404x}{x} \times 100 = 140.4\%$$

Exam Hall Approach



Q.48 The average of 1st ,2nd and 3rd numbers is 20 and the average of 2nd ,3rd and 4th is 25. If the 4th number is 25, then find the value of the first number ?

- A. 21
- B. 29
- C. 10
- D. 17
- E. 14

Answer: C

Sol: Given:

Average of 1st ,2nd and 3rd numbers =20

Average of 2nd ,3rd and 4th = 25.

4th number = 25

Formula used:

Average = sum of quantity/ number of quantity

Explanation:

Total sum of 1st, 2nd and 3rd is $= 20 \times 3 = 60$

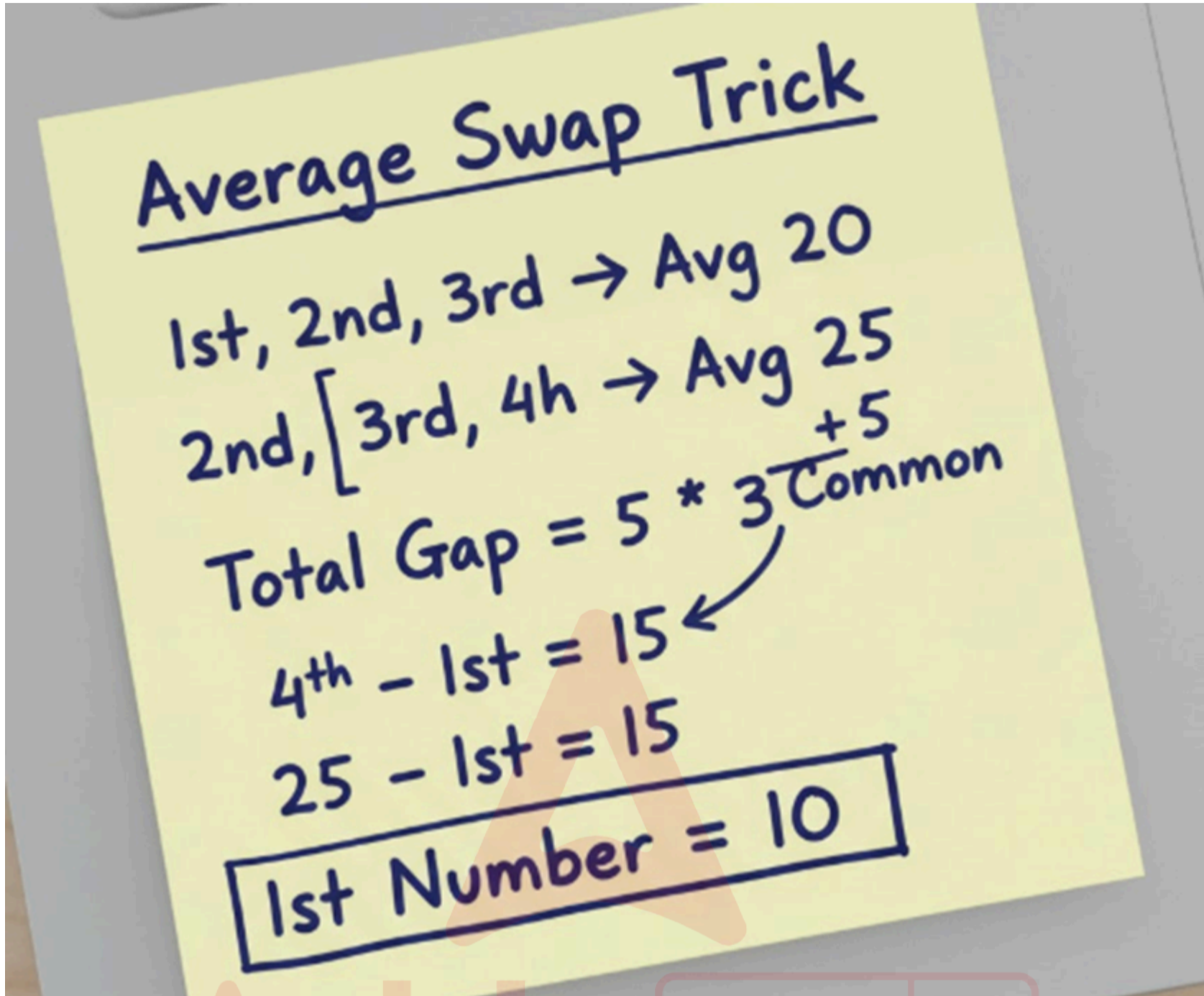
Total sum of 2nd, 3rd and 4th is $= 25 \times 3 = 75$

4th number is 25

2nd + 3rd = 50

1st number is $= 60 - 50 = 10$

Exam Hall Approach



Q.49 Six years ago, the ratio of the age of P to that of Q was 5 : 6 respectively, and P is 3 years younger than Q. Find the age of Q seven years hence (in years).

- A. 33
- B. 31
- C. 32
- D. 30
- E. 29

Answer: B

Sol: Information Given:

6 years ago, P : Q = 5 : 6

P is 3 years younger than Q (present ages difference = 3 years)

Basic Explanation:

Let the present age of P = $5x + 6$

The present age of Q = $6x + 6$

ATQ,

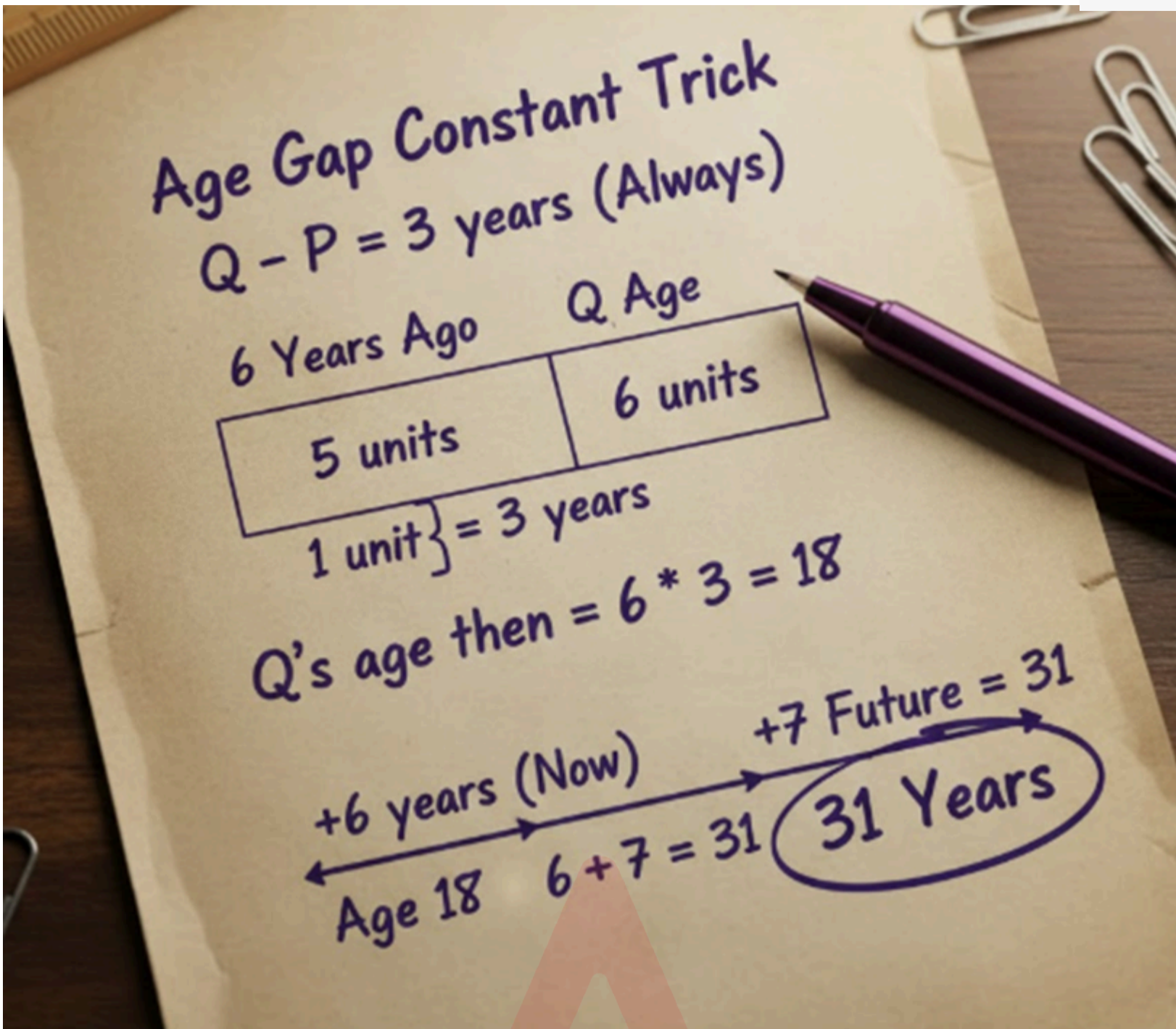
$$6x + 6 - 5x - 6 = 3$$

$$x = 3$$

$$\text{Required age} = 6x + 6 + 7 = 6x + 13$$

$$= 6(3) + 13 = 31 \text{ years}$$

Exam Hall Approach



Q.50 The cost price of a mobile phone is Rs. 400. If the mark price is 50% above the cost price and a discount of 12% is given at the time of selling, find the selling price of the mobile phone.

- A. Rs 550
- B. Rs 380
- C. Rs 890
- D. Rs 657
- E. Rs 528

Answer: E

Sol: Information Given:

Cost Price (C.P.) = Rs. 400

Marked Price (M.P.) = 50% above the cost price

Discount = 12%

Formula Used:

$$M.P. = C.P. \times \left(1 + \frac{\text{Markup}\%}{100}\right)$$

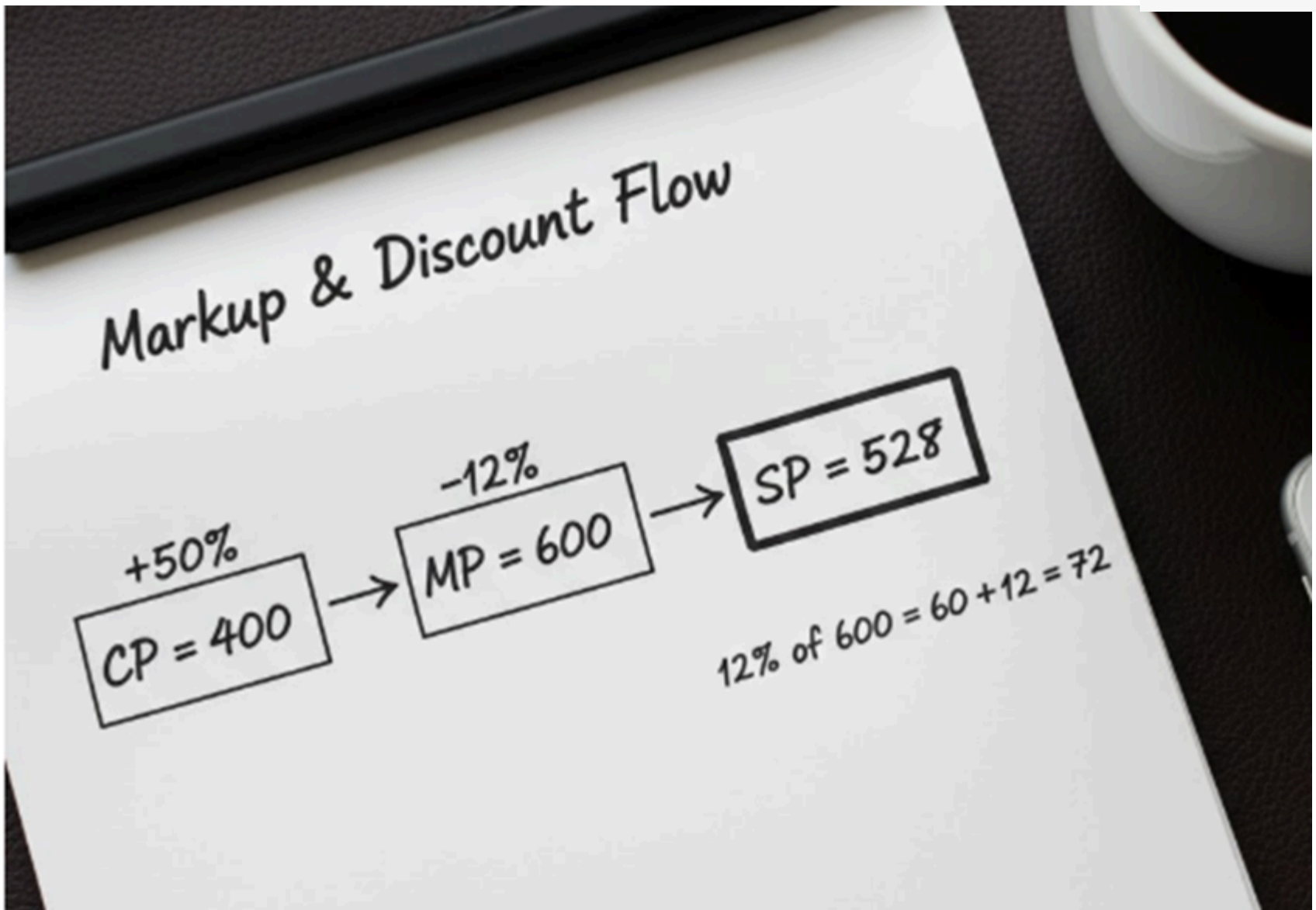
$$S.P. = M.P. \times \left(1 - \frac{\text{Discount}\%}{100}\right)$$

Explanation:

$$\text{Marked Price} = 400 \times \left(1 + \frac{50}{100}\right) = 400 \times 1.5 = \text{Rs. } 600$$

$$\text{Selling Price} = 600 \times \left(1 - \frac{12}{100}\right) = 600 \times 0.88 = \text{Rs. } 528$$

Exam Hall Approach



Q.51 Scheme A offers simple interest at 10% p.a. for 4 years on Rs. 5000. Scheme B offers simple interest at 8% p.a. for 5 years on Rs. P. If the interests from both schemes are equal, find P.

- A. 4000
- B. 5500
- C. 5000
- D. 6000
- E. 4500

Answer: C

Sol: Given:

Scheme A: $P = 5000, R = 10\%, T = 4$

Scheme B: $P = P, R = 8\%, T = 5$

Interests are equal

Concept Used:

Simple Interest

Formula Used:

$$SI = \frac{PRT}{100}$$

Solution:

$$SI_A = \frac{5000 \times 10 \times 4}{100} = 2000$$

$$SI_B = \frac{P \times 8 \times 5}{100} = \frac{2P}{5}$$

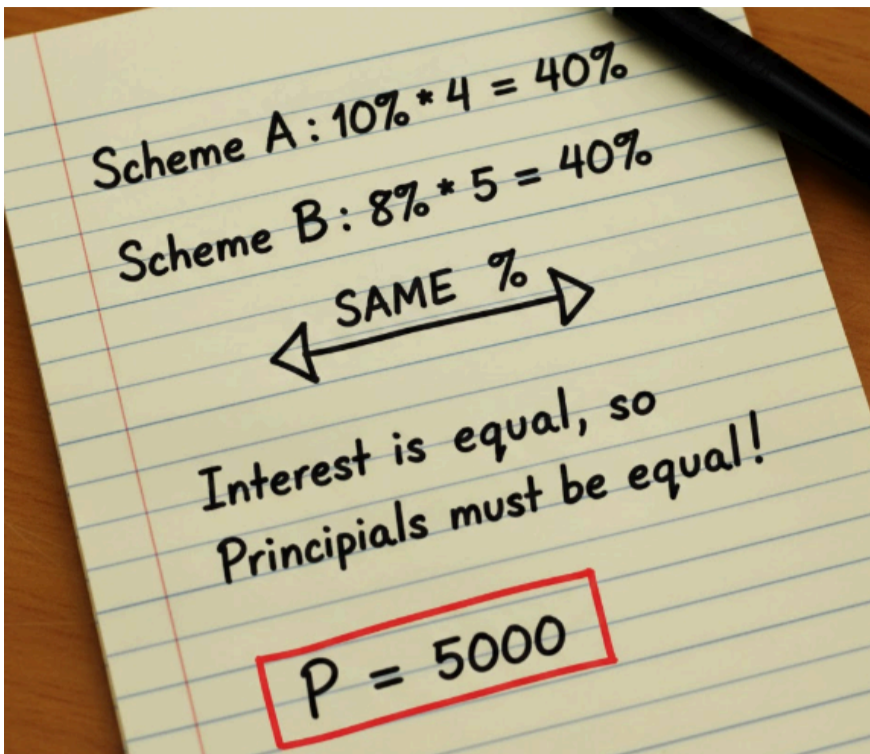
$$2000 = \frac{2P}{5}$$

$$P = 5000$$

Final Answer:

5000

Exam Hall Approach



Q.52 A vessel contains 120 liters mixture of milk and water in the ratio of 2 : 1. 30 liters mixture is taken out from the vessel and 10 liters pure milk added in the remaining mixture. Find the ratio of milk to water in resultant mixture?

- A. 8 : 3
- B. 6 : 5
- C. 7 : 3
- D. 7 : 2
- E. 5 : 2

Answer: C

Sol:

Information Given in the Question:

Total mixture = 120 liters

Ratio of milk : water = 2 : 1

30 liters of the mixture is taken out

Then 10 liters pure milk is added to the remaining mixture

Find final ratio of milk : water

Detailed Explanation:

Initial quantity of milk = $120 \times \frac{2}{3} = 80$ liters

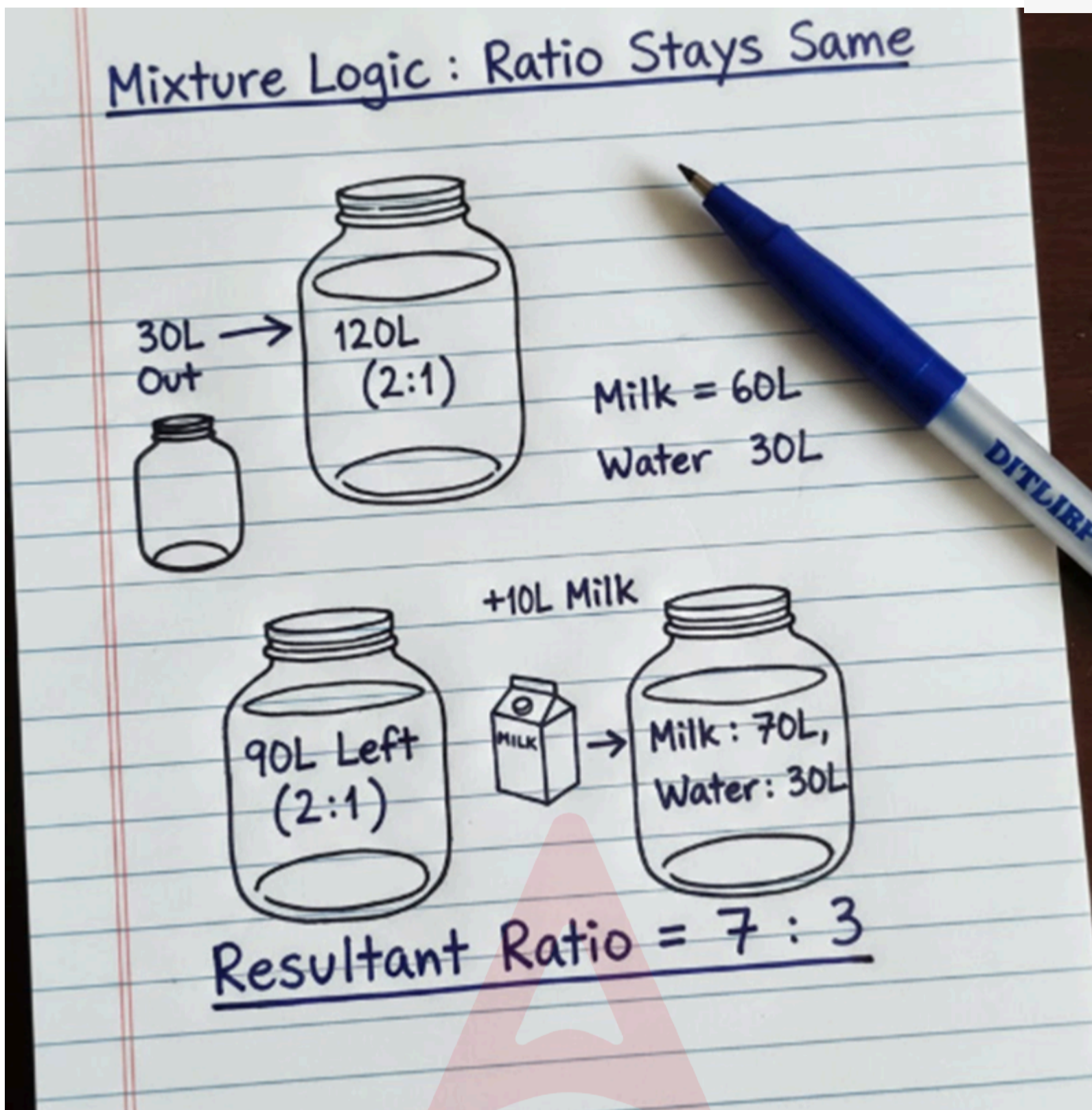
Initial quantity of water = $120 - 80 = 40$ liters

Final quantity of milk = $80 - 30 \times \frac{2}{3} + 10 = 70$ liters

Final quantity of water = $40 - 30 \times \frac{1}{3} = 30$ liters

Required ratio = 70 : 30 = 7 : 3

Exam Hall Approach



Q.53 Priya and Monika working alone can complete a piece of work in 18 days and 30 days respectively. If they work alternate days starting with Priya, then find the number of day to complete the work?

- A. 10 (5/9) days
- B. 22 (2/5) days
- C. 9 (5/9) days
- D. 12 (5/9) days
- E. 8 (5/9) days

Answer: B

Sol: Given:

Priya alone can complete a piece of work in 18 days

Monika alone can complete a piece of work in 30 days

Formula Used:

Total work = Efficiency x Time

Explanation:

(Priya and Monika)'s 1 day work alternatively

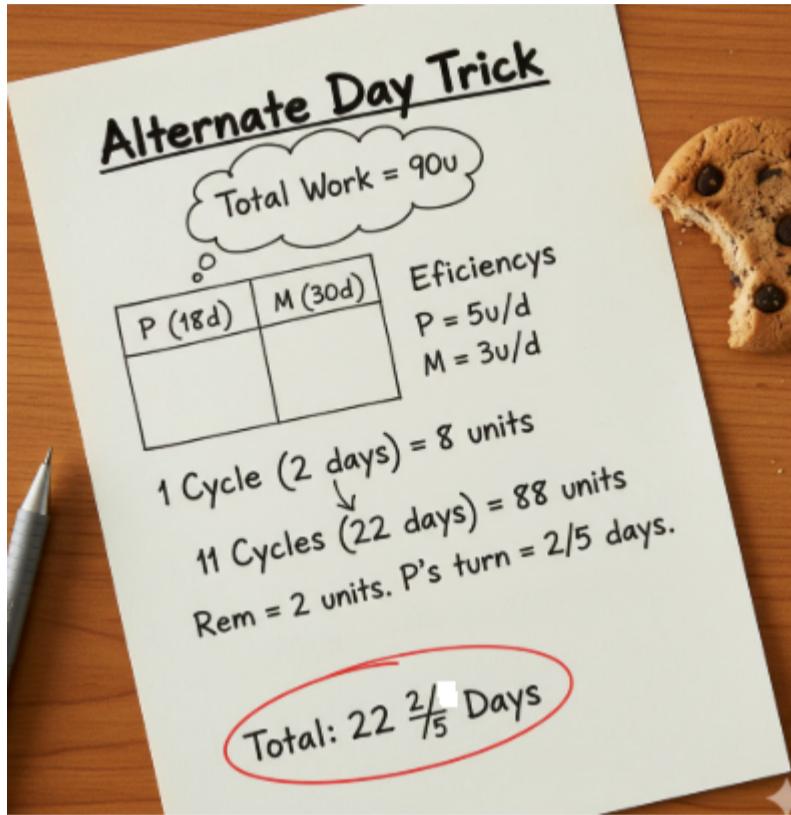
$$= 1/18 + 1/30 = 8/90$$

(Priya and Monika)'s 22 days work

$$= (8 \times 11)/90 = 88/90$$

Remaining work = $1 - 88/90 = 1/45$
 $\therefore 1/45$ work done by Priya = $2/5$ days
 Total time = $22 (2/5)$ days.

Exam Hall Method:



Q.54 Avinash covers a distance of 560 km in 7 hours. If speed of Anurag is $3/4$ th of the speed of Avinash, then find time taken by Anurag to cover $5/8$ th of the distance that is covered by Avinash.

- A. 320 min
- B. 420 min
- C. 395 min
- D. 350 min
- E. 280 min

Answer: D

Sol: Information Given in the Question:

Avinash covers 560 km in 7 hours

Speed of Anurag = $3/4$ of Avinash's speed

Anurag has to cover $5/8$ of the distance covered by Avinash

Distance to be covered by Anurag = $(5/8) \times 560$ km

Find time taken by Anurag

Concept/Formula Used in the Question:

Speed = Distance / Time

If speed becomes k times, then time for same distance becomes $1/k$ times

Time = Distance / Speed

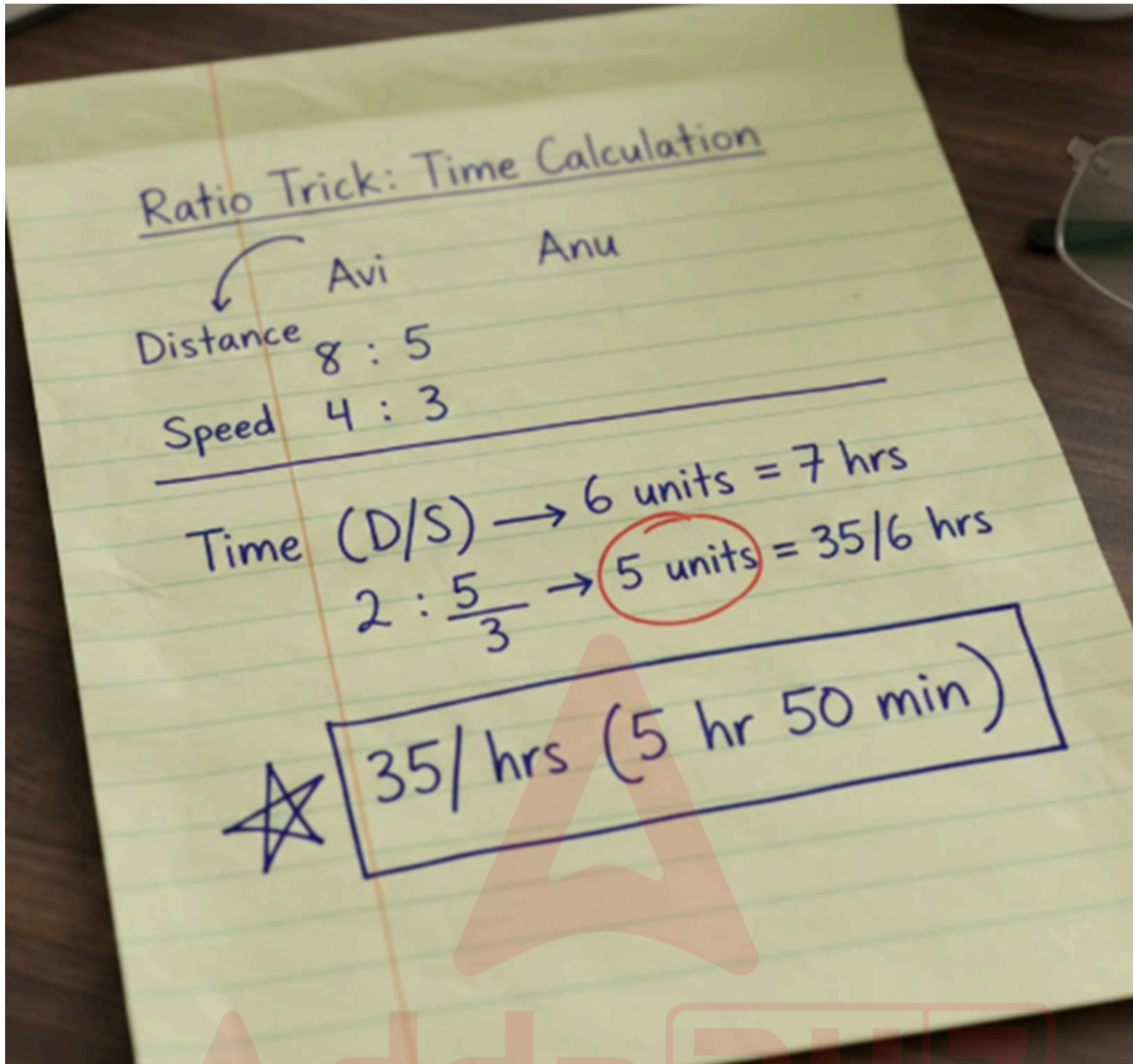
Detailed Explanation:

Distance covered by Anurag = $560 \times \frac{5}{8}$

Speed of Anurag = $\frac{560}{7} \times \frac{3}{4}$

Required time = $\frac{\text{Distance}}{\text{speed}} = \frac{560 \times \frac{5}{8}}{\frac{560 \times \frac{3}{4}}{7}} = \frac{350}{60} \times 60 = 350 \text{ min}$

Exam Hall Approach



Q.55 The speed of a boat in still water and upstream speed of the boat are 30 km/hr and 16 km/hr respectively. If boat takes 20 hours to cover $X+80$ km downstream, then find X?

- A. 720
- B. 1000
- C. 600
- D. 800
- E. 840

Answer: D

Sol: Information Give:

Still water speed of the boat = 30 km/hr

And, upstream speed = 16 km/hr

Time taken by the boat to cover $X+40$ km downstream = 20 hours

Formula Used:

Speed of stream = still water speed – upstream speed

Speed = Distance/Time

Downstream speed = still water speed + speed of stream

Explanation:

Speed of stream = $30-16=14$ km/hr

Downstream speed of boat = $30+14=44$ km/hr

ATQ –

$$\frac{X + 80}{20} = 44$$

$$X = 880 - 80 = 800$$

Exam Hall Method:

$Up = 30 - v = 16$
 $v = 14 \text{ km/hr}$
 $Down = 30 + 14 = 44 \text{ km/hr}$
 $Dist = 44 \cdot 20 = 880$
 $X + 80 = 880$
 $X = 800$

Q.56 The perimeter of semicircle is 72 cm and the radius of the semicircle is half of the breadth of a rectangle. If area of the rectangle is 980 cm², then find the length of the rectangle.

- A. 70 cm
- B. 56 cm
- C. 49 cm
- D. 42 cm
- E. 35 cm

Answer: E

Sol:

Information Given in the Question:

Perimeter of a semicircle = 72 cm

Radius of semicircle = half of the breadth of a rectangle

=> Breadth of rectangle = 2r

Area of rectangle = 980 cm²

Find length of rectangle

Concept/Formula Used in the Question:

Perimeter of semicircle = $(\pi \times r) + (2r)$

(curved part + diameter)

Area of rectangle = Length \times Breadth

=> Length = Area / Breadth

Detailed Explanation:

$$\pi r + 2r = 72$$

$$\frac{22}{7} \times r + 2r = 72$$

$$r = 14 \text{ cm}$$

$$\text{Breadth of the rectangle} = 14 \times 2 = 28 \text{ cm}$$

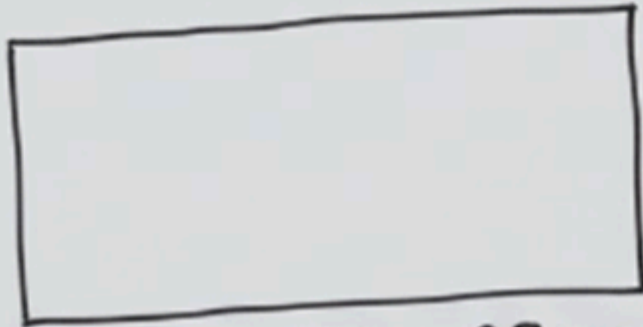
$$\text{Length of rectangle} = \frac{980}{28} = 35 \text{ cm}$$

Exam Hall Approach

Semicircle to Rectangle

$$P = r * (36 \frac{*}{r} 7) = 72$$

$$r = 14 \text{ cm}$$



$$\text{Breadth} = 2 * r = 28 \text{ cm}$$

$$\text{Length} = \text{Area} / \text{Breadth}$$

$$\text{Length} = 980 / 28$$

$$\text{Length} = 35 \text{ cm} \checkmark$$

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Q.57 What will come in the place of question (?) mark in following the question:
 $(45 \times 2) + (180 \div 3) - 20 = ?$

- A. 120
- B. 130
- C. 100
- D. 110
- E. 140

Answer: B

Sol:

$$(45 \times 2) + (180 \div 3) - 20 = ?$$

$$90 + 60 - 20 = ?$$

$$130 = ?$$

Q.58 What will come in the place of question (?) mark in following the question:
 $12^2 \div 8 + 10 \times 3 = ?$

- A. 42
- B. 44
- C. 50
- D. 48

E. 40

Answer: D

Sol:

$$12^2 \div 8 + 10 \times 3 = ?$$

$$144 \div 8 + 10 \times 3 = ?$$

$$18 + 30 = ?$$

$$48 = ?$$

Q.59 What will come in the place of question (?) mark in following the question:

$$\sqrt[3]{512} + 96 + \frac{?}{2} = 612$$

- A. 1012
- B. 1016
- C. 1014
- D. 1019
- E. 1120

Answer: B

Sol:

$$\sqrt[3]{512} + 96 + \frac{?}{2} = 612$$

$$8 + 96 + \frac{?}{2} = 612$$

$$\frac{?}{2} = 612 - 8 - 96$$

$$\frac{?}{2} = 508$$

$$? = 1016$$

Q.60 $777 \div 700 + 5555 \div 5000 - 3333 \div 3300 = ?$

What will come in place of the question mark (?) in the following questions?

- A. 1.0211
- B. 2.111
- C. 1.211
- D. 0.211
- E. 2.011

Answer: C

Sol:

$$? = 1.11 + 1.111 - 1.01$$

$$= 1.211$$

Q.61 $75 + (40 \times 56 \div 8 - 200) = 5^3 + ?$

What will come in place of the question mark (?) in the following questions?

- A. 50
- B. 25
- C. 20
- D. 30
- E. 40

Answer: D

Sol:

$$75 + (40 \times 7 - 200) = 125 + ?$$

$$75 + (280 - 200) = 125 + ?$$

$$75 + 80 = 125 + ?$$

$$? = 155 - 125 = 30$$

Q.62 $36 \times \sqrt{225} - 56 \times 784 \div 112 = ?$

What will come in the place of question (?) mark in the following questions.

- A. 138
- B. 238
- C. 158
- D. 258
- E. 148

Answer: E

Sol: $? = 36 \times 15 - 56 \times 7$

$$? = 540 - 392$$

$$= 148$$

Q.63 $\frac{5}{11} \times 121 + 1\frac{4}{9} \times 288 = 141 + ?$

What will come in place of the question mark (?) in the following questions?

- A. 333
- B. 327
- C. 335
- D. 330
- E. 329

Answer: D

Sol: $55 + 416 = 141 + ?$

$$? = 330$$

Q.64 $115 \div 5 + 12 \times 6 = ? + 64 \div 4 - 35$

What will come in place of the question mark (?) in the following questions?

- A. 114
- B. 118
- C. 108
- D. 116
- E. 111

Answer: A

Sol: $115 \div 5 + 12 \times 6 = ? + 64 \div 4 - 35$

$$23 + 72 = ? + 16 - 35$$

$$? = 114$$

Q.65 $\frac{7}{6} + \frac{2}{8} - \frac{10}{3} + \frac{23}{4} = ?$

What will come in place of the question mark (?) in the following questions?

- A. 5/6
- B. 3 5/6
- C. 4 1/6
- D. 3/4
- E. 2 3/4

Answer: B

Sol: $\frac{7}{6} + \frac{2}{8} - \frac{10}{3} + \frac{23}{4} = ?$
 $? = \frac{28+6-80+138}{24}$
 $? = \frac{172-80}{24}$
 $? = \frac{92}{24}$
 $? = \frac{23}{6}$ or $? = 3 \frac{5}{6}$

Q.66 How is R related to K?

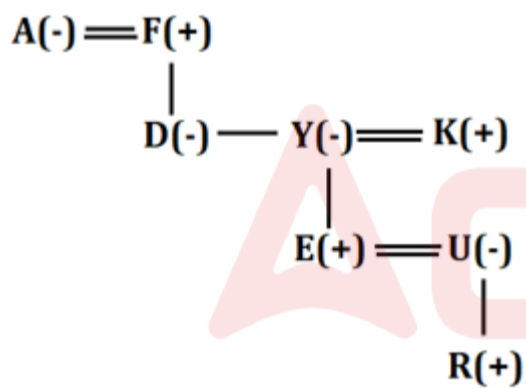
Study the following information carefully and answer the questions given below:

E is the father of R. K is the father-in-law of U. Y is the sibling of D. A is the mother of D. F is the maternal grandfather of E. D is the unmarried sister-in-law of K. U is the parent of R. Number of males and females are same.

- A. Grandfather
- B. Granddaughter
- C. Grandson
- D. Grandmother
- E. None of these

Answer: C

Sol:



R is the grandson of K

Q.67 How many generations are there in the family?

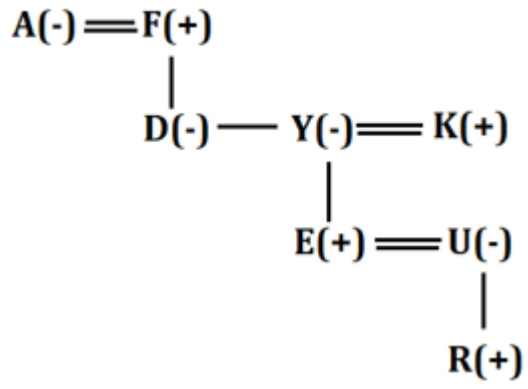
Study the following information carefully and answer the questions given below:

E is the father of R. K is the father-in-law of U. Y is the sibling of D. A is the mother of D. F is the maternal grandfather of E. D is the unmarried sister-in-law of K. U is the parent of R. Number of males and females are same.

- A. 2
- B. 4
- C. 5
- D. 3
- E. Either 3 or 4

Answer: B

Sol:



There are 4 generations in the family

Q.68 How is K related to F?

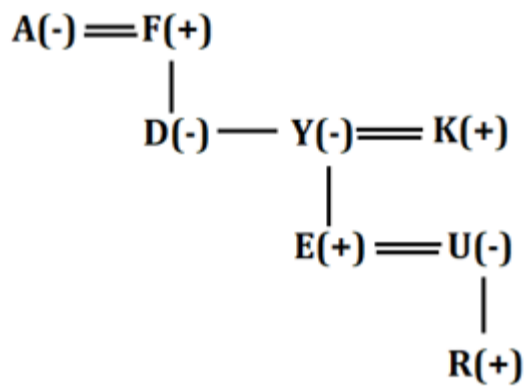
Study the following information carefully and answer the questions given below:

E is the father of R. K is the father-in-law of U. Y is the sibling of D. A is the mother of D. F is the maternal grandfather of E. D is the unmarried sister-in-law of K. U is the parent of R. Number of males and females are same.

- A. Son-in-law
- B. Father
- C. Son
- D. Father-in-law
- E. None of these

Answer: A

Sol:



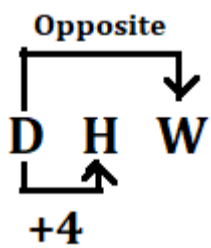
K is the son-in-law of F

Q.69 Find the odd one Out?

- A. DHW
- B. JNQ
- C. LPO
- D. AEZ
- E. GJT

Answer: E

Sol: Logic Followed here:



Q.70 How many persons live below Q in the same numbered flat?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, A, B, C and D are living in a four-storey building such that the ground floor is numbered as 1, just above it is floor 2 then the topmost floor is numbered as 4.

Each of the floors has 2 flats in it as flat-1 and flat-2. Flat-1 is in the west of flat-2.

Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and so on. In the same way, flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on.

One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor. S lives to the west of R. R does not live on the first floor. A lives just above Q in the same numbered flat.

- A. Two
- B. None
- C. One
- D. Three
- E. None of these

Answer: B

Sol: Final arrangement:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

Clues: One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor.

Inference: From the above conditions there are two possibilities i.e., Case 1 and Case 2.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3				
2	P		C	D
1				

Clues: S lives to the west of R. R does not live on the first floor.

Inference: From the above conditions it is clear that S and R live on the third floor in both cases.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P		C	D
1				

Clue: A lives just above Q in the same numbered flat.

Inference: From the above conditions Case 2 is cancelled here as there is no place for A and Q.

Floors	Case 1		Case-2	
	Flat 1	Flat 2	Flat-1	Flat-2
4	C	D	P	
3	S	R	S	R
2	P	A	C	D
1		Q		

Inference: Only one person remains i.e., B. So, the Final arrangement is:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

No one lives below Q

Q.71 Who among the following persons lives in flat 2?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, A, B, C and D are living in a four-storey building such that the ground floor is numbered as 1, just above it is floor 2 then the topmost floor is numbered as 4.

Each of the floors has 2 flats in it as flat-1 and flat-2. Flat-1 is in the west of flat-2.

Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and so on. In the same way, flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on.

One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor. S lives to the west of R. R does not live on the first floor. A lives just above Q in the same numbered flat.

- A. B
- B. A
- C. Q
- D. Both A and Q
- E. None of these

Answer: D

Sol: Final arrangement:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

Clues: One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor.

Inference: From the above conditions there are two possibilities i.e., Case 1 and Case 2.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3				
2	P		C	D
1				

Clues: S lives to the west of R. R does not live on the first floor.

Inference: From the above conditions it is clear that S and R live on the third floor in both cases.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P		C	D
1				

Clue: A lives just above Q in the same numbered flat.

Inference: From the above conditions Case 2 is cancelled here as there is no place for A and Q.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P	A	C	D
1		Q		

Inference: Only one person remains i.e., B. So, the Final arrangement is:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

Both A and Q live in flat 2

Q.72 Who among the following persons lives just above A in the same numbered flat?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, A, B, C and D are living in a four-storey building such that the ground floor is numbered as 1, just above it is floor 2 then the topmost floor is numbered as 4.

Each of the floors has 2 flats in it as flat-1 and flat-2. Flat-1 is in the west of flat-2.

Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and so on. In the same way, flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on.

One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor. S lives to the west of R. R does not live on the first floor. A lives just above Q in the same numbered flat.

- A. C
- B. P
- C. R
- D. D
- E. None of these

Answer: C

Sol: Final arrangement:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

Clues: One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor.

Inference: From the above conditions there are two possibilities i.e., Case 1 and Case 2.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3				
2	P		C	D
1				

Clues: S lives to the west of R. R does not live on the first floor.

Inference: From the above conditions it is clear that S and R live on the third floor in both cases.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P		C	D
1				

Clue: A lives just above Q in the same numbered flat.

Inference: From the above conditions Case 2 is cancelled here as there is no place for A and Q.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P	A	C	D
1		Q		

Inference: Only one person remains i.e., B. So, the Final arrangement is:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

R lives just above A in the same numbered flat

Q.73 Four of the following five are alike in a certain way and hence form a group, who among the following does not belong to the group?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, A, B, C and D are living in a four-storey building such that the ground floor is numbered as 1, just above it is floor 2 then the topmost floor is numbered as 4.

Each of the floors has 2 flats in it as flat-1 and flat-2. Flat-1 is in the west of flat-2.

Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and so on. In the same way, flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on.

One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor. S lives to the west of R. R does not live on the first floor. A lives just above Q in the same numbered flat.

- A. D
- B. R
- C. B
- D. Q
- E. A

Answer: C

Sol: Final arrangement:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

Clues: One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor.

Inference: From the above conditions there are two possibilities i.e., Case 1 and Case 2.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3				
2	P		C	D
1				

Clues: S lives to the west of R. R does not live on the first floor.

Inference: From the above conditions it is clear that S and R live on the third floor in both cases.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P		C	D
1				

Clue: A lives just above Q in the same numbered flat.

Inference: From the above conditions Case 2 is cancelled here as there is no place for A and Q.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P	A	C	D
1		Q		

Inference: Only one person remains i.e., B. So, the Final arrangement is:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

Except for the person in option (c), all other persons live in the flat 2

Q.74 Which among the following statement(s) is/are true?

Study the following information carefully and answer the questions given below:

Eight persons P, Q, R, S, A, B, C and D are living in a four-storey building such that the ground floor is numbered as 1, just above it is floor 2 then the topmost floor is numbered as 4.

Each of the floors has 2 flats in it as flat-1 and flat-2. Flat-1 is in the west of flat-2.

Flat-1 of floor-2 is immediately above flat-1 of floor-1 and immediately below flat-1 of floor-3 and so on. In the same way, flat-2 of floor-2 is immediately above flat-2 of floor-1 and immediately below flat-2 of floor-3 and so on.

One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor. S lives to the west of R. R does not live on the first floor. A lives just above Q in the same numbered flat.

- A. No one lives above P
- B. D and B live in the same numbered flat
- C. R lives below A
- D. P lives to the west of A
- E. All are true

Answer: D

Sol: Final arrangement:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

Clues: One person lives between C and P in the same numbered flat. D lives to the east of C. P lives on an even-numbered floor.

Inference: From the above conditions there are two possibilities i.e., Case 1 and Case 2.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3				
2	P		C	D
1				

Clues: S lives to the west of R. R does not live on the first floor.

Inference: From the above conditions it is clear that S and R live on the third floor in both cases.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P		C	D
1				

Clue: A lives just above Q in the same numbered flat.

Inference: From the above conditions Case 2 is cancelled here as there is no place for A and Q.

Floors	Case 1		Case 2	
	Flat 1	Flat 2	Flat 1	Flat 2
4	C	D	P	
3	S	R	S	R
2	P	A	C	D
1		Q		

Inference: Only one person remains i.e., B. So, the Final arrangement is:

Floors	Flat 1	Flat 2
4	C	D
3	S	R
2	P	A
1	B	Q

The statement given in option (d) is true

Q.75 If all the symbols and prime digits are removed from the series, then which element will be seventh from the right end in the new series?

Carefully examine the series given below and respond to the questions:

4 @ 9 7 # 2 8 * © 3 6 % 1 \$ 5 ¥ ^ 9 ! 4 3 + 6 & μ 8 # 2 8 * 3 6 2

- A. 8
- B. 4
- C. 1
- D. &
- E. μ

Answer: C

Sol: Step 1: Extract only digits

4, 9, 7, 2, 8, 3, 6, 1, 5, 9, 4, 3, 6, 8, 2, 8, 3, 6, 2

Step 2: Remove prime digits (2, 3, 5, 7)

Remaining digits:

4, 9, 8, 6, 1, 9, 4, 6, 8, 8, 6

Step 3: Find 7th from the right

Counting from the right:

6 (1st), 8 (2nd), 8 (3rd), 6 (4th), 4 (5th), 9 (6th), 1 (7th)

Final Answer: 1

Q.76 How many such symbols are there which are immediately preceded by a digit and immediately followed by even digit?

Carefully examine the series given below and respond to the questions:

4 @ 9 7 # 2 8 * © 3 6 % 1 \$ 5 ¥ ^ 9 ! 4 3 + 6 & μ 8 # 2 8 * 3 6 2

- A. None
- B. One
- C. Two
- D. Three
- E. Four

Answer: E

Sol: Let's find the symbols that satisfy:

Immediately preceded by a digit

Immediately followed by an even digit (2, 4, 6, 8)

Checking the series step by step, the valid cases are:

(between 7 and 2)

! (between 9 and 4)

+ (between 3 and 6)

(between 8 and 2)

Total such symbols = 4

Final Answer: 4

Q.77 What is the product of sixth digit from the left end and eighth digit from the right end?

Carefully examine the series given below and respond to the questions:

4 @ 9 7 # 2 8 * © 3 6 % 1 \$ 5 ¥ ^ 9 ! 4 3 + 6 & μ 8 # 2 8 * 3 6 2

- A. 6
- B. 12
- C. 15
- D. 16
- E. 9

Answer: E

Sol: First, extract only the digits from the series:

Digits sequence:

4, 9, 7, 2, 8, 3, 6, 1, 5, 9, 4, 3, 6, 8, 2, 8, 3, 6, 2

(Total = 19 digits)

6th digit from left = 3
8th digit from right = 12th from left = 3
Product = $3 \times 3 = 9$

Final Answer: 9

Q.78 What is the position of fifth symbol from the left end with respect to third odd digit from the right end?

Carefully examine the series given below and respond to the questions:

4 @ 9 7 # 2 8 * © 3 6 % 1 \$ 5 ¥ ^ 9 ! 4 3 + 6 & μ 8 # 2 8 * 3 6 2

- A. Fifth to the left
- B. Seventh to the right
- C. Sixth to the right
- D. Sixth to the left
- E. Fifth to the right

Answer: D

Sol: Let's solve step by step:

1. Find the 5th symbol from the left

Symbols (non-digits) from left:

@, #, *, ©, %

So, the 5th symbol = %, which is at position 12.

2. Find the 3rd odd digit from the right

Odd digits: 1, 3, 5, 7, 9

From the right:

1st odd → 3 (position 31)

2nd odd → 3 (position 21)

3rd odd → 9 (position 18)

So, the 3rd odd digit from right = position 18.

3. Find relative position

Position of % = 12

Position of 3rd odd digit = 18

Distance = $18 - 12 = 6$

Final Answer:

6th to the left

Q.79 If the first, fourth, tenth and eleventh letters of the word "EFFRVESCENT" are combined to form a meaningful word starting with only R, then what will be the third letter from the right end of the word formed? If more than one such word can be formed, mark the answer as X and if no such word can be formed, mark the answer as Y.

- A. X
- B. E
- C. N
- D. T
- E. Y

Answer: B

Sol: We have letters- E, R, N, T
Now we have word- R ENT.

Q.80 Who among the following is the VP of the organization?

Study the following information carefully and answers the questions given below:

Seven persons are working in an organization under different designations i.e. CEO, Vice President (VP), Director, Associate Director, Senior Manager, Manager and Associate. All the designations are to be considered in a given order (as CEO is considered Senior-most and Associate is considered Junior-most).

X is four designations senior to T. Two persons designated between X and W. No one designated between V and Y. Z is senior to U, but neither of them is VP and Associate director. V is senior to Z. V is senior to Y.

- A. V
- B. Y
- C. W
- D. U

E. None of these

Answer: A

Sol: Final Arrangement:

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

Clues: X is four designations senior to T. Two persons designated between X and W.

Inferences: From these conditions there are three possibilities-

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO			X
VP		X	
Director	X		
Associate Director			W
Senior Manager		W	T
Manager	W	T	
Associate	T		

Clues: Z is senior to U, but neither of them is VP and Associate director. V is senior to Z.

Inferences: Case 1 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Z/V
Associate Director			W
Senior Manager	U	W	T
Manager	W	T	Z/U
Associate	T	U	U

Clues: No one designated between V and Y. V is senior to Y.

Inferences: From these conditions, case 2 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Y
Associate Director		T	W
Senior Manager	U	W	T
Manager	W	T	Z
Associate	T	U	U

Inferences: The final arrangement is-

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

V is VP of the organization.

Q.81 How many persons are junior to Y?

Study the following information carefully and answers the questions given below:

Seven persons are working in an organization under different designations i.e. CEO, Vice President (VP), Director, Associate Director, Senior Manager, Manager and Associate. All the designations are to be considered in a given order (as CEO is considered Senior-most and Associate is considered Junior-most).

X is four designations senior to T. Two persons designated between X and W. No one designated between V and Y. Z is senior to U, but neither of them is VP and Associate director. V is senior to Z. V is senior to Y.

- A. One
- B. Two
- C. Three
- D. Four
- E. None

Answer: D



Sol: Final Arrangement:

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

Clues: X is four designations senior to T. Two persons designated between X and W.

Inferences: From these conditions there are three possibilities-

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO			X
VP		X	
Director	X		
Associate Director			W
Senior Manager		W	T
Manager	W	T	
Associate	T		

Clues: Z is senior to U, but neither of them is VP and Associate director. V is senior to Z.

Inferences: Case 1 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Z/V
Associate Director			W
Senior Manager	U	W	T
Manager	W	T	Z/U
Associate	T	U	U

Clues: No one designated between V and Y. V is senior to Y.

Inferences: From these conditions, case 2 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Y
Associate Director		T	W
Senior Manager	U	W	T
Manager	W	T	Z
Associate	T	U	U

Inferences: The final arrangement is-

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

Four persons junior to Y.

Q.82 The number of persons senior to V is same as number of persons junior to ____.

Study the following information carefully and answers the questions given below:

Seven persons are working in an organization under different designations i.e. CEO, Vice President (VP), Director, Associate Director, Senior Manager, Manager and Associate. All the designations are to be considered in a given order (as CEO is considered Senior-most and Associate is considered Junior-most).

X is four designations senior to T. Two persons designated between X and W. No one designated between V and Y. Z is senior to U, but neither of them is VP and Associate director. V is senior to Z. V is senior to Y.

- A. W
- B. Y
- C. Z
- D. U
- E. None of these

Answer: C

Sol: Final Arrangement:

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

Clues: X is four designations senior to T. Two persons designated between X and W.

Inferences: From these conditions there are three possibilities-

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO			X
VP		X	
Director	X		
Associate Director			W
Senior Manager		W	T
Manager	W	T	
Associate	T		

Clues: Z is senior to U, but neither of them is VP and Associate director. V is senior to Z.

Inferences: Case 1 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Z/V
Associate Director			W
Senior Manager	U	W	T
Manager	W	T	Z/U
Associate	T	U	U

Clues: No one designated between V and Y. V is senior to Y.

Inferences: Form these conditions, case 2 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Y
Associate Director		T	W
Senior Manager	U	W	T
Manager	W	T	Z
Associate	T	U	U

Inferences: The final arrangement is-

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

One person junior to Z and one person is senior to V.

Q.83 Who among the following just junior to T?

Study the following information carefully and answers the questions given below:

Seven persons are working in an organization under different designations i.e. CEO, Vice President (VP), Director, Associate Director, Senior Manager, Manager and Associate. All the designations are to be considered in a given order (as CEO is considered Senior-most and Associate is considered Junior-most).

X is four designations senior to T. Two persons designated between X and W. No one designated between V and Y. Z is senior to U, but neither of them is VP and Associate director. V is senior to Z. V is senior to Y.

- A. V
- B. Z
- C. U
- D. Y
- E. None of these

Answer: B

Sol: Final Arrangement:

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

Clues: X is four designations senior to T. Two persons designated between X and W.

Inferences: From these conditions there are three possibilities-

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO			X
VP		X	
Director	X		
Associate Director			W
Senior Manager		W	T
Manager	W	T	
Associate	T		

Clues: Z is senior to U, but neither of them is VP and Associate director. V is senior to Z.

Inferences: Case 1 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Z/V
Associate Director			W
Senior Manager	U	W	T
Manager	W	T	Z/U
Associate	T	U	U

Clues: No one designated between V and Y. V is senior to Y.

Inferences: From these conditions, case 2 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Y
Associate Director		T	W
Senior Manager	U	W	T
Manager	W	T	Z
Associate	T	U	U

Inferences: The final arrangement is-

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

Z is just junior to T.

Q.84 . Which of the following statement is not true?

Study the following information carefully and answers the questions given below:

Seven persons are working in an organization under different designations i.e. CEO, Vice President (VP), Director, Associate Director, Senior Manager, Manager and Associate. All the designations are to be considered in a given order (as CEO is considered Senior-most and Associate is considered Junior-most).

X is four designations senior to T. Two persons designated between X and W. No one designated between V and Y. Z is senior to U, but neither of them is VP and Associate director. V is senior to Z. V is senior to Y.

- A. W is senior to Z
- B. X is the seniormost person
- C. Y is Director
- D. T is three persons senior to U
- E. None of these

Answer: D

Sol: Final Arrangement:

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

Clues: X is four designations senior to T. Two persons designated between X and W.

Inferences: From these conditions there are three possibilities-

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO			X
VP		X	
Director	X		
Associate Director			W
Senior Manager		W	T
Manager	W	T	
Associate	T		

Clues: Z is senior to U, but neither of them is VP and Associate director. V is senior to Z.

Inferences: Case 1 will be eliminated.

Designations	Case 1	Case 2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Z/V
Associate Director			W
Senior Manager	U	W	T
Manager	W	T	Z/U
Associate	T	U	U

Clues: No one designated between V and Y. V is senior to Y.

Inferences: Form these conditions, case 2 will be eliminated.

Designations	Case-1	Case-2	Case 3
	Persons	Persons	Persons
CEO	Z	V	X
VP		X	V
Director	X	Z	Y
Associate Director		T	W
Senior Manager	U	W	T
Manager	W	T	Z
Associate	T	U	U

Inferences: The final arrangement is-

Designations	Persons
CEO	X
VP	V
Director	Y
Associate Director	W
Senior Manager	T
Manager	Z
Associate	U

T is two persons senior to U

Q.85 In the word 'DIMENSIONS', how many pairs of the letters have the same number of letters between them (both forward and backward direction) in the word as in the alphabet?

- A. Four
- B. Two
- C. One
- D. Three
- E. More than four

Answer: A

Sol: There are four pairs-



Q.86 Who among the following person sits fifth to the right of B?

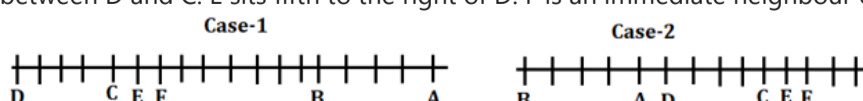
Study the following information carefully and answer the questions given below:

A certain number of persons are sitting in the row facing north. A sits fourth to the right of B. Eight persons sit between B and C. C sits fifth from one of the ends. Three persons sit between D and C. E sits fifth to the right of D. F is an immediate neighbour of E. G is third from one of the ends. H is second to the left of G. Only one person sits between G and B. K sits one of the extreme end of the row.

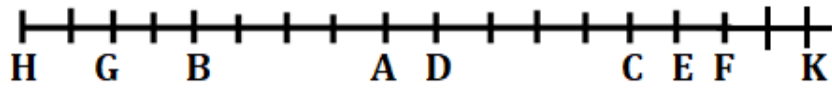
- A. D
- B. C
- C. E
- D. F
- E. None of these

Answer: A

Sol: A sits fourth to the right of B. Eight persons sit between B and C. There are two possibilities. C sits fifth from one of the ends. Three persons sit between D and C. E sits fifth to the right of D. F is an immediate neighbour of E.



G is third from one of the ends. H is second to the left of G. Only one person sits between G and B. From these conditions, case-1 will be eliminated. K sits one of the extreme end of the row. The final arrangement is-



Q.87 How many persons sit in the row?

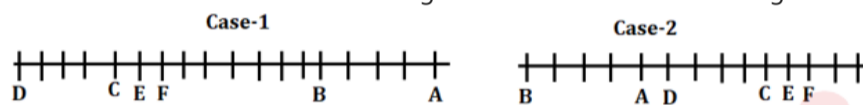
Study the following information carefully and answer the questions given below:

A certain number of persons are sitting in the row facing north. A sits fourth to the right of B. Eight persons sit between B and C. C sits fifth from one of the ends. Three persons sit between D and C. E sits fifth to the right of D. F is an immediate neighbour of E. G is third from one of the ends. H is second to the left of G. Only one person sits between G and B. K sits one of the extreme end of the row.

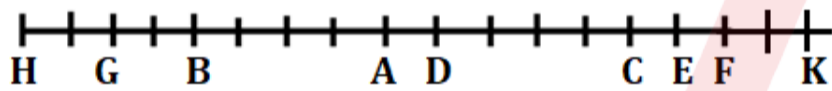
- A. 15
- B. 21
- C. 20
- D. 17
- E. 18

Answer: E

Sol: A sits fourth to the right of B. Eight persons sit between B and C. There are two possibilities. C sits fifth from one of the ends. Three persons sit between D and C. E sits fifth to the right of D. F is an immediate neighbour of E.



G is third from one of the ends. H is second to the left of G. Only one person sits between G and B. From these conditions, case-1 will be eliminated. K sits one of the extreme end of the row. The final arrangement is-



Q.88 Who among the following sits fourth to the right of H?

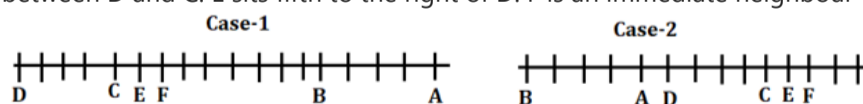
Study the following information carefully and answer the questions given below:

A certain number of persons are sitting in the row facing north. A sits fourth to the right of B. Eight persons sit between B and C. C sits fifth from one of the ends. Three persons sit between D and C. E sits fifth to the right of D. F is an immediate neighbour of E. G is third from one of the ends. H is second to the left of G. Only one person sits between G and B. K sits one of the extreme end of the row.

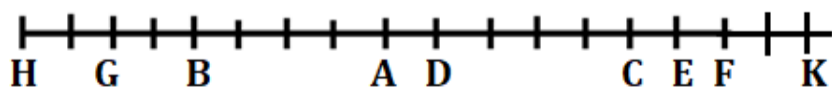
- A. C
- B. D
- C. A
- D. B
- E. None of these

Answer: D

Sol: A sits fourth to the right of B. Eight persons sit between B and C. There are two possibilities. C sits fifth from one of the ends. Three persons sit between D and C. E sits fifth to the right of D. F is an immediate neighbour of E.



G is third from one of the ends. H is second to the left of G. Only one person sits between G and B. From these conditions, case-1 will be eliminated. K sits one of the extreme end of the row. The final arrangement is-



Q.89 Statements: $T < O < D = C \leq R; C \leq J > H > Q$

Conclusions:

I. $T < Q$

II. $R \geq J$

In this question, the relationship between different element is shown in the statements. The statements are followed by two conclusions. Give answer

- A. If only conclusion I is true
- B. If only conclusion II is true
- C. If either conclusion I or II is true
- D. If neither conclusion I nor II is true
- E. If both conclusion I and II are true

Answer: D

Sol: I. $T < Q$ (False)

II. $R \geq J$ (False)

Q.90 Statements: $A \geq L > N = K$; $L < D > Z \leq Y = P$

Conclusions: I. $A \leq Y$

II. $D > K$

In these questions, the relationship between different elements is shown in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and select the appropriate answer:

- A. If only conclusion I is true
- B. If only conclusion II is true
- C. If either conclusion I or II is true
- D. If both conclusions I and II are true
- E. If neither conclusion I nor II is true

Answer: B

Sol: I. $A \leq Y$ (False)

II. $D > K$ (True)

Q.91 The following statements represent connections between different elements. Read them carefully and select the correct conclusion(s).

Statements: $A < D < G \geq J = K > L < R \leq T = U < P$

Conclusions:

I. $U > J$

II. $G > L$

- A. If only conclusion I is true.
- B. If only conclusion II is true.
- C. If either conclusion I or II is true.
- D. If both conclusions I and II are true.
- E. If neither conclusion I nor II is true.

Answer: B

Sol: I. $U > J$ (False)

II. $G > L$ (True)

Q.92 Who among the following sits 2nd to the left of X?

Answer the questions based on the following information.

Nine persons P, Q, R, S, T, U, V, W and X sit around a circular table (but not necessarily in the same order) such that all of them faces towards the table.

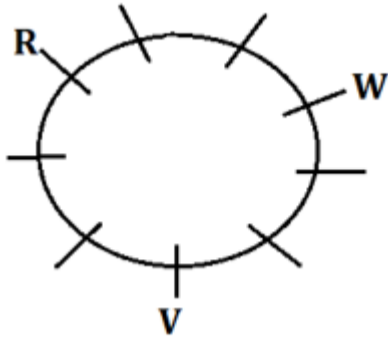
(Note: Two consecutive named persons according to alphabetical series didn't sit adjacent to each other).

W sits 3rd to the right of V. Two persons sit between W and R. One person sits between V and S. Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. T sits 2nd to the right of U.

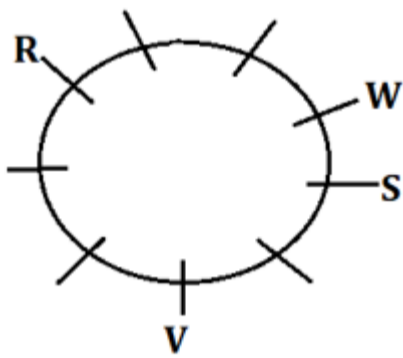
- A. P
- B. Q
- C. T
- D. S
- E. U

Answer: A

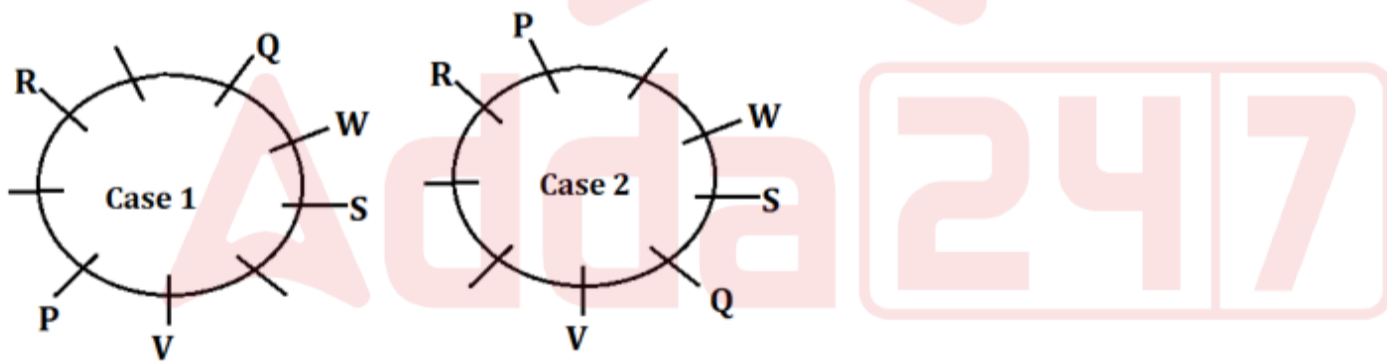
Sol: W sits 3rd to the right of V. Two persons sit between W and R.



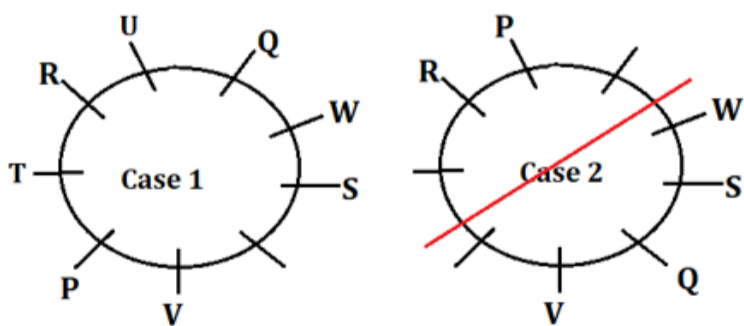
One person sits between V and S. So, S will sit immediate left of W as it is given that two consecutive named persons according to alphabetical order doesn't sit adjacent to each other.



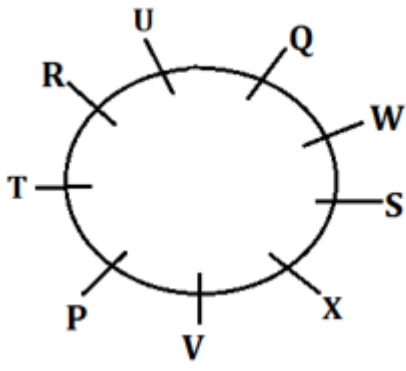
Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. Here, one more possibility introduced..



T sits 2nd to the right of U. Here, Case 2 is ruled out as there is no place left for T and U according to this condition.



We know, X is one of the persons thus the final arrangement is: -



P sits 2nd to the left of X.

Q.93 How many persons sit between T and S?

Answer the questions based on the following information.

Nine persons P, Q, R, S, T, U, V, W and X sit around a circular table (but not necessarily in the same order) such that all of them faces towards the table.

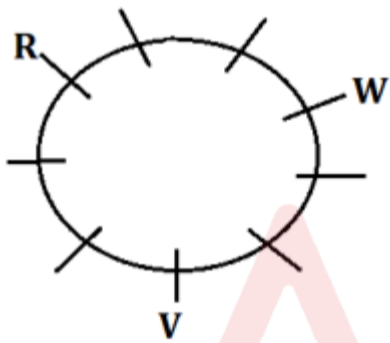
(Note: Two consecutive named persons according to alphabetical series didn't sit adjacent to each other).

W sits 3rd to the right of V. Two persons sit between W and R. One person sits between V and S. Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. T sits 2nd to the right of U.

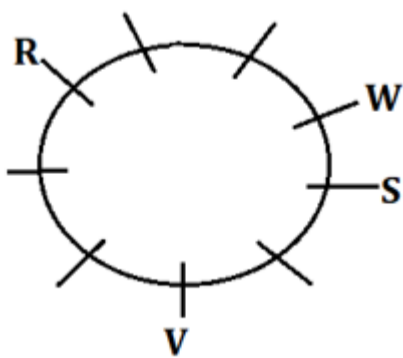
- A. Two
- B. Three
- C. One
- D. Five
- E. Six

Answer: B

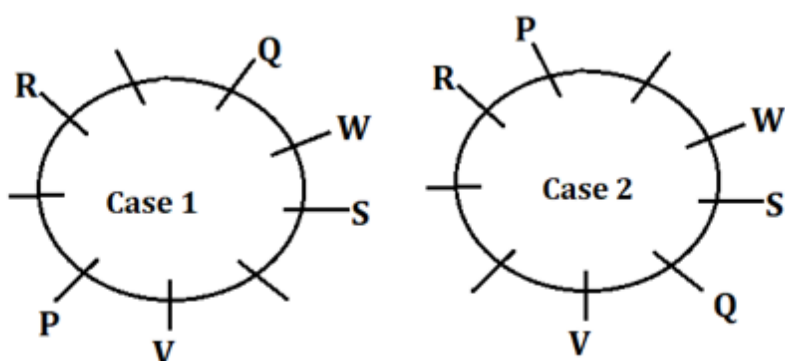
Sol: W sits 3rd to the right of V. Two persons sit between W and R.



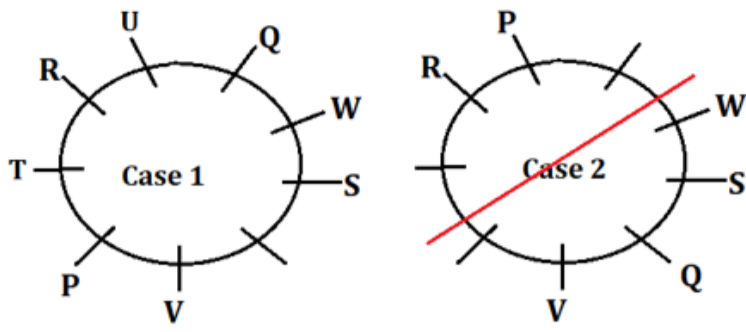
One person sits between V and S. So, S will sit immediate left of W as it is given that two consecutive named persons according to alphabetical order doesn't sit adjacent.



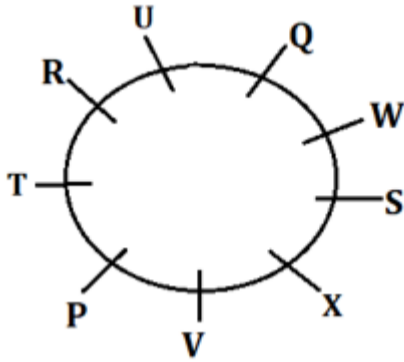
Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. Here, one more possibility introduced..



T sits 2nd to the right of U. Here, Case 2 is ruled out as there is no place left for T and U according to this condition.



We know, X is one of the persons thus the final arrangement is: -



Three persons sit between S and T.

Q.94 What is the position of R with respect to W?

Answer the questions based on the following information.

Nine persons P, Q, R, S, T, U, V, W and X sit around a circular table (but not necessarily in the same order) such that all of them faces towards the table.

(Note: Two consecutive named persons according to alphabetical series didn't sit adjacent to each other).

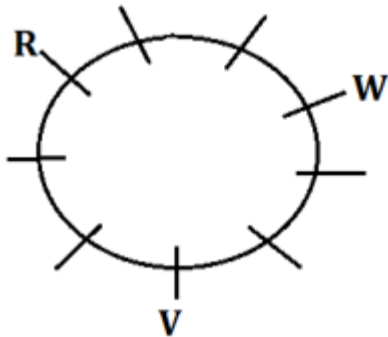
W sits 3rd to the right of V. Two persons sit between W and R. One person sits between V and S. Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. T sits 2nd to the right of U.

- A. 2nd to the right
- B. 2nd to the left
- C. 3rd to the right
- D. Immediate right
- E. Immediate left

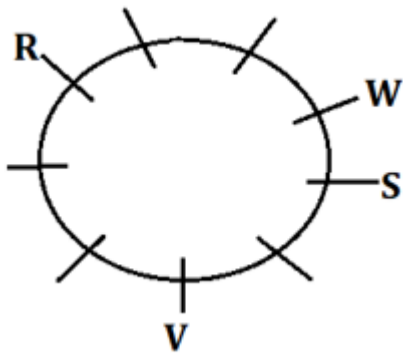
Answer: C

Sol:

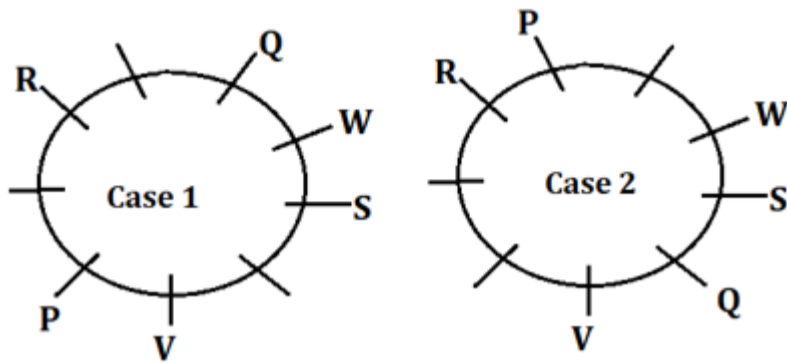
W sits 3rd to the right of V. Two persons sit between W and R.



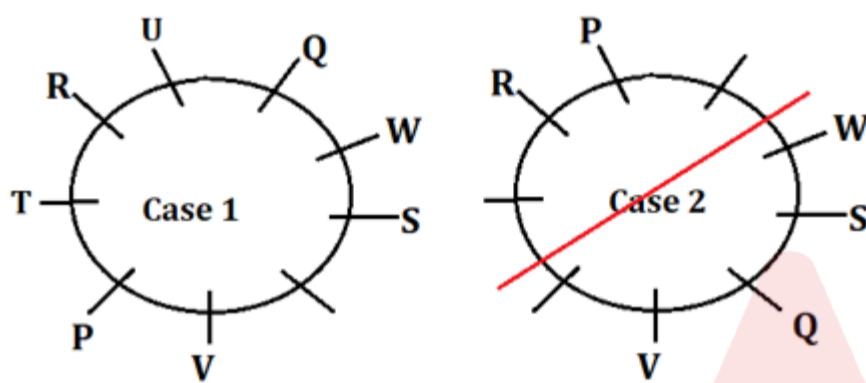
One person sits between V and S. So, S will sit immediate left of W as it is given that two consecutive named persons according to alphabetical order doesn't sit adjacent to each other.



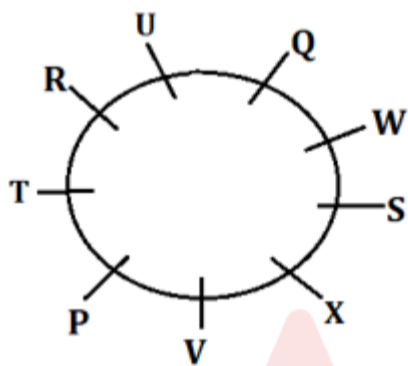
Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. Here, one more possibility introduced..



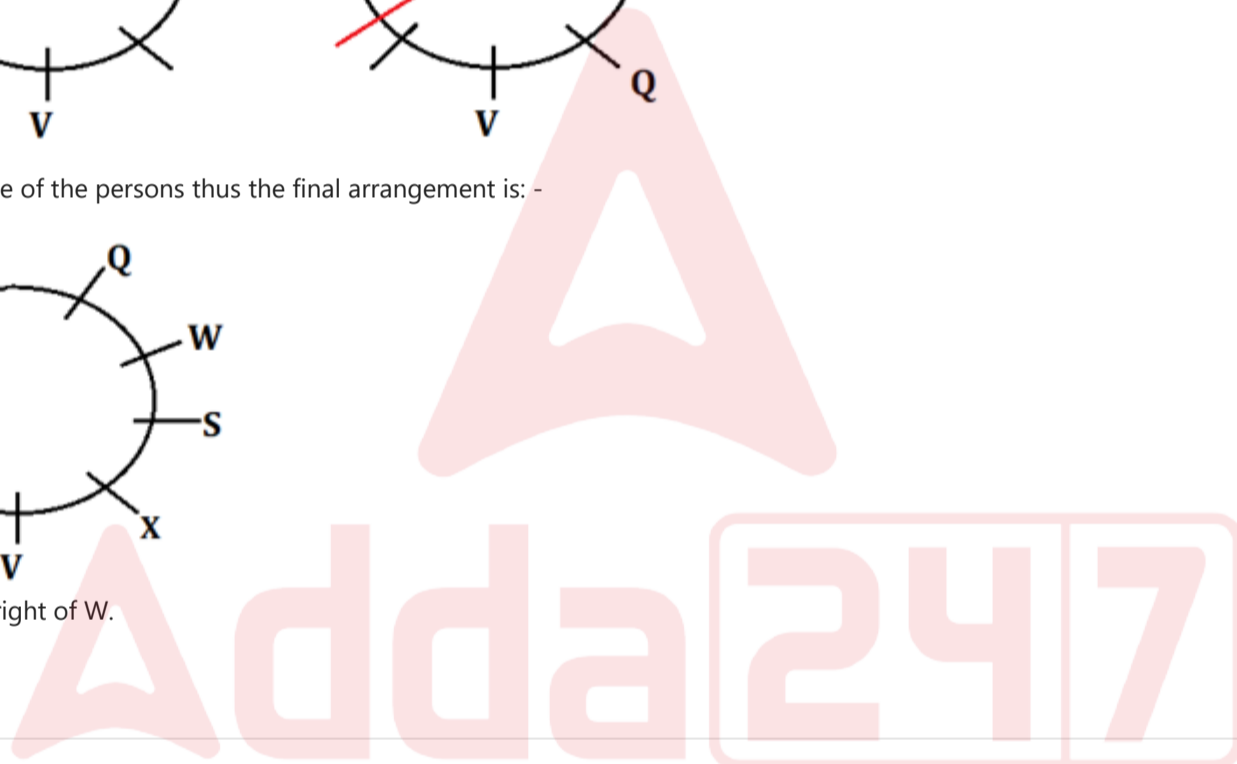
T sits 2nd to the right of U. Here, Case 2 is ruled out as there is no place left for T and U according to this condition.



We know, X is one of the persons thus the final arrangement is: -



R sits 3rd to the right of W.



Q.95 Who are the immediate neighbours of Q?

Answer the questions based on the following information.

Nine persons P, Q, R, S, T, U, V, W and X sit around a circular table (but not necessarily in the same order) such that all of them faces towards the table.

(Note: Two consecutive named persons according to alphabetical series didn't sit adjacent to each other).

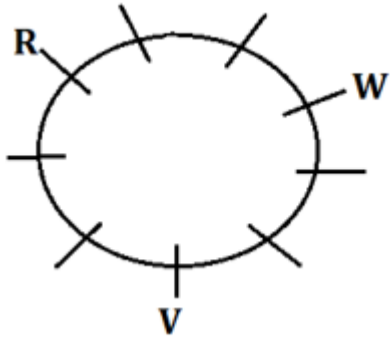
W sits 3rd to the right of V. Two persons sit between W and R. One person sits between V and S. Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. T sits 2nd to the right of U.

- A. X, P
- B. T, U
- C. P, U
- D. U, W
- E. None of these

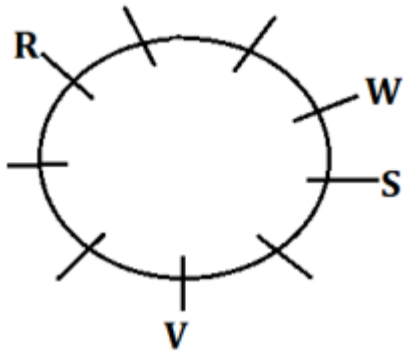
Answer: D

Sol:

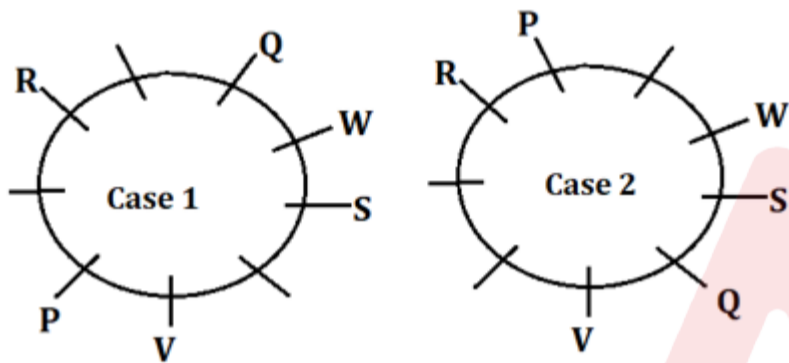
W sits 3rd to the right of V. Two persons sit between W and R.



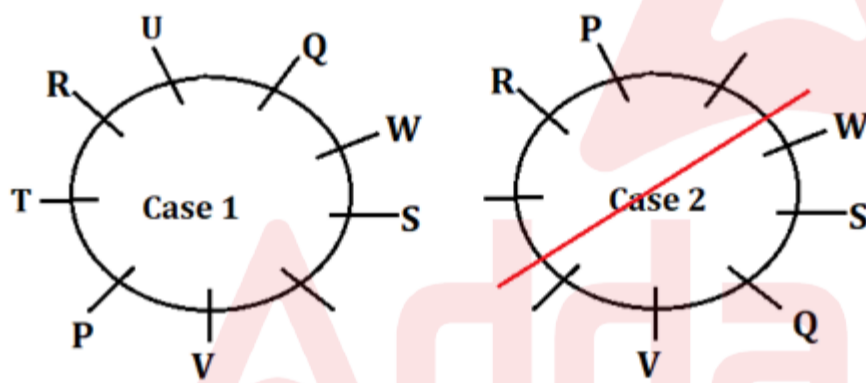
One person sits between V and S. So, S will sit immediate left of W as it is given that two consecutive named persons according to alphabetical order doesn't sit adjacent to each other.



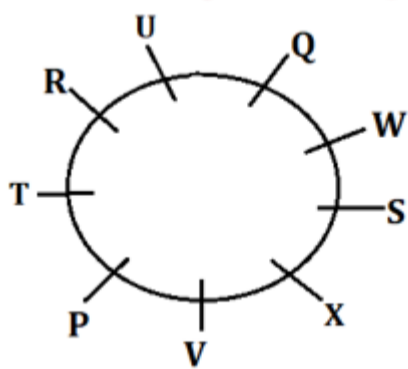
Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. Here, one more possibility introduced..



T sits 2nd to the right of U. Here, Case 2 is ruled out as there is no place left for T and U according to this condition.



We know, X is one of the persons thus the final arrangement is: -



U and W are the immediate neighbours of Q.

Q.96 If P is related to X in the same way S is related to Q, then who among the following is related to T?
Answer the questions based on the following information.

Nine persons P, Q, R, S, T, U, V, W and X sit around a circular table (but not necessarily in the same order) such that all of them faces towards the table.

(Note: Two consecutive named persons according to alphabetical series didn't sit adjacent to each other).

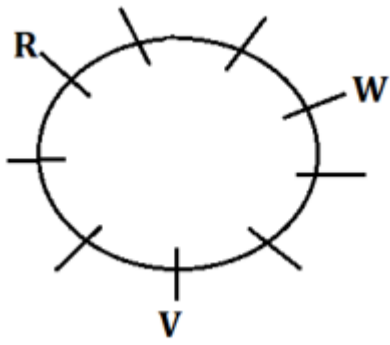
W sits 3rd to the right of V. Two persons sit between W and R. One person sits between V and S. Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. T sits 2nd to the right of U.

- A. R
- B. W
- C. None of these

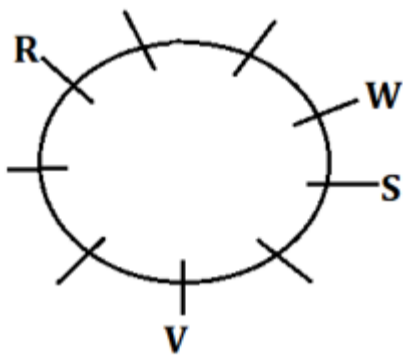
- D. V
- E. U

Answer: E

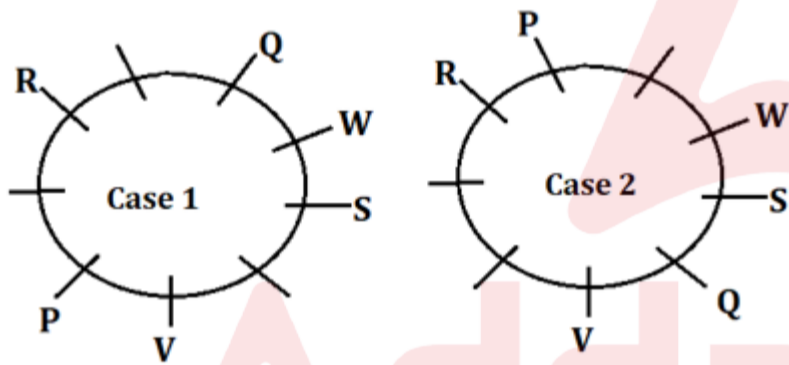
Sol: W sits 3rd to the right of V. Two persons sit between W and R.



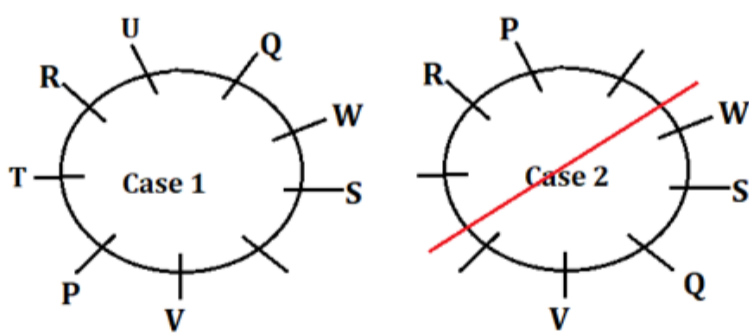
One person sits between V and S. So, S will sit immediate left of W as it is given that two consecutive named persons according to alphabetical order doesn't sit adjacent to each other.



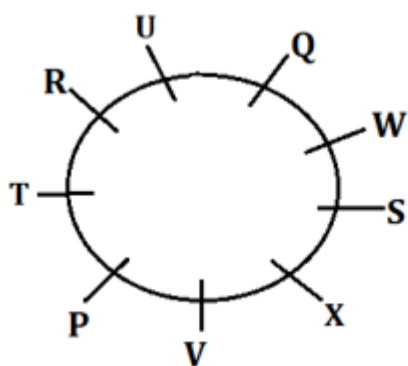
Number of persons sit between R and S when counted from right of S is same as sit between P and Q when counted from right of Q. Here, one more possibility introduced..



T sits 2nd to the right of U. Here, Case 2 is ruled out as there is no place left for T and U according to this condition.



We know, X is one of the persons thus the final arrangement is: -



1st persons in the given question sits 2nd to the left of the 2nd persons, so U is related to T.

Q.97 If in the given number **42736895**, 1 is added to second, fourth, sixth and eighth digit and 1 is subtracted from the first, third, fifth and seventh digits, then all digits are arranged in ascending order. Which of the following digit is fourth from the right?

- A. 3
- B. 6
- C. 5
- D. 4
- E. None of these

Answer: B

Sol: Given number-42736895
 After applied given condition- 33645986
 Arranged in ascending order- 33456689

Q.98 Which of the following shoe is 2nd shortest?

Study the following information carefully and answer the related questions.

Six pair of shoes are arranged in a shoe rack according to their length from left to right. Shoe A is shorter than only shoe K and shoe L. Shoe S is longer than shoe B and shorter than shoe Z. Length of shoe K is 52cm and length of shoe Z is 46cm. Length of shoe L is 55cm.

- A. Shoe Z
- B. Shoe S
- C. Shoe B
- D. Either shoe S or shoe B
- E. Either shoe Z or shoe B

Answer: B

Sol: Shoe A is shorter than only shoe K and shoe L. There are two possible cases: -

Case 1 $K > L > A > > >$

Case 2 $L > K > A > > >$

Shoe S is longer than shoe B and shorter than shoe Z. Length of shoe K is 52cm and length of shoe Z is 46cm. Length of shoe L is 55cm., so case 1 is cancelled: -

~~**Case 1** $K > L > A > Z > S > B$~~

Case 2 $L > K > A > Z > S > B$
 55 52 46

Thus, the final arrangement is: -

L > K > A > Z > S > B
 55 52 46

Shoe S is the 2nd shortest shoe.

Q.99 What will the possible Length of the shoe A?

Study the following information carefully and answer the related questions.

Six pair of shoes are arranged in a shoe rack according to their length from left to right. Shoe A is shorter than only shoe K and shoe L. Shoe S is longer than shoe B and shorter than shoe Z. Length of shoe K is 52cm and length of shoe Z is 46cm. Length of shoe L is 55cm.

- A. 44cm
- B. 40cm
- C. 50cm
- D. 59cm
- E. Can't be determined

Answer: C

Sol: Shoe A is shorter than only shoe K and shoe L. There are two possible cases: -

Case 1 $K > L > A > > >$

Case 2 $L > K > A > > >$

Shoe S is longer than shoe B and shorter than shoe Z. Length of shoe K is 52cm and length of shoe Z is 46cm. Length of shoe L is 55cm., so case 1 is cancelled: -

~~**Case 1** $K > L > A > Z > S > B$~~

Case 2 $L > K > A > Z > S > B$
 55 52 46

Thus, the final arrangement is: -

L > K > A > Z > S > B
 55 52 46

Length of shoe A will be 50cm.

Q.100 If the length of the shoe S is 35cm, then what will be the difference between the length of the shoe K and shoe S?
Study the following information carefully and answer the related questions.

Six pair of shoes are arranged in a shoe rack according to their length from left to right. Shoe A is shorter than only shoe K and shoe L. Shoe S is longer than shoe B and shorter than shoe Z. Length of shoe K is 52cm and length of shoe Z is 46cm. Length of shoe L is 55cm.

- A. 27cm
- B. 15cm
- C. 26cm
- D. 17cm
- E. None of these

Answer: D

Sol: Shoe A is shorter than only shoe K and shoe L. There are two possible cases: -

Case 1 $K > L > A > > >$

Case 2 $L > K > A > > >$

Shoe S is longer than shoe B and shorter than shoe Z. Length of shoe K is 52cm and length of shoe Z is 46cm. Length of shoe L is 55cm., so case 1 is cancelled: -

~~**Case 1** $K > L > A > Z > S > B$~~

Case 2 $L > K > A > Z > S > B$
 55 52 46

Thus, the final arrangement is: -

L > K > A > Z > S > B
55 52 46

Required difference will be $52\text{cm} - 35\text{cm} = 17\text{cm}$

