

AILET 2025 LLB Question Paper with Solutions

I. Read the given extract and answer the following questions by choosing the most appropriate answer.

The rise of renewable energy sources has become a crucial topic in the global fight against climate change. Solar and wind power, in particular, have gained traction due to their ability to provide clean energy while reducing dependence on fossil fuels. Governments worldwide are investing in technology to enhance energy efficiency and storage solutions, aiming to create a more sustainable energy landscape. As the costs of renewable technologies continue to decrease, the transition from traditional energy sources is becoming not only environmentally necessary but also economically viable. However, this transition faces several challenges. The intermittent nature of renewable energy sources, such as solar and wind, requires advancements in energy storage to ensure a reliable supply. Additionally, existing infrastructure often relies heavily on fossil fuels, necessitating significant investment to upgrade or replace systems. Policy makers must navigate these complexities, balancing environmental goals with economic realities. The future of energy will likely depend on collaboration between governments, industries, and consumers to foster innovation and implement sustainable practices.

Q.1 What is one of the major challenges faced in the transition to renewable energy?

- (A) The decreasing costs of fossil fuels
- (B) The need for advancements in energy storage
- (C) The complete lack of government interest
- (D) The sheer abundance of fossil fuel resources

Answer: (B) The need for advancements in energy storage

Solution:

The transition to renewable energy is hindered by the need for advancements in energy storage to ensure a stable supply of energy. Renewable sources such as wind and solar are intermittent, so storage solutions are essential to address this issue.

Thus, the correct answer is Option (B).

 Quick Tip

Energy storage technologies like batteries play a critical role in making renewable energy reliable and consistent.

Q.2 According to the passage, what is essential for a successful transition to renewable energy?

- (A) Collaboration among various stakeholders
- (B) Increased fossil fuel production
- (C) Over reliance on the existing infrastructure
- (D) Eliminating all government regulations

Answer: (A) Collaboration among various stakeholders

Solution:

The passage highlights that collaboration among various stakeholders, including governments, industries, and consumers, is crucial for achieving a successful transition to renewable energy. Cooperation helps in overcoming challenges like infrastructure limitations and policy barriers.

Thus, the correct answer is Option (A).

 Quick Tip

Collaboration is key to overcoming barriers in renewable energy adoption and ensuring long-term success.

Q.3 Why is the transition to renewable energy described as becoming economically viable?

- (A) Because fossil fuels are becoming more expensive
- (B) Due to the decrease in costs of renewable technologies
- (C) Due to government subsidies for fossil fuels
- (D) Renewable energy sources are less reliable

Answer: (B) Due to the decrease in costs of renewable technologies

Solution:

The decrease in costs of renewable technologies such as solar panels and wind turbines has made the transition to renewable energy more economically viable. As the costs continue to fall, renewable energy becomes a more attractive and affordable alternative to fossil

fuels.

Thus, the correct answer is Option (B).

 Quick Tip

Advancements in technology and economies of scale are driving down the cost of renewable energy, making it more competitive.

Q.4 What does the term ‘intermittent nature’ refer to in the context of renewable energy sources?

- (A) Their ability to provide consistent energy supply
- (B) Their integration into existing infrastructure for production
- (C) Their complete dependence on fossil fuels for energy
- (D) Variability in energy production due to weather conditions

Answer: (D) Variability in energy production due to weather conditions

Solution:

The term ‘intermittent nature’ refers to the fact that renewable energy sources, like solar and wind, are subject to variability in energy production due to weather conditions. This can cause fluctuations in energy supply, making it challenging to rely solely on them without adequate storage or backup systems.

Thus, the correct answer is Option (D).

 Quick Tip

Weather-dependent energy sources, like wind and solar, require solutions for intermittency, such as energy storage or backup systems.

Q.5 Which of the following best describes the tone of the paragraph?

- (A) Skeptical
- (B) Dismissive
- (C) Balanced
- (D) Indifferent

Answer: (C) Balanced

Solution:

The tone of the paragraph is balanced, as it presents both the challenges and benefits of the transition to renewable energy without leaning too much toward optimism or pessimism. It provides a fair and neutral perspective on the topic.

Thus, the correct answer is Option (C).

 Quick Tip

A balanced tone presents an objective view, weighing both positive and negative aspects of a situation.

II. Read the given extract and answer the following questions by choosing the most appropriate answer.

The levels of dissolved oxygen in the world's ocean waters are declining precipitously. Just like humans, fish need oxygen to survive, and so in ocean areas experiencing significant levels of oxygen scarcity, or hypoxia, fish populations are plummeting. Although some hypoxic areas, called "dead zones," occur naturally, hypoxia in coastal areas and inland waters is caused mainly by agricultural run-off and by discharge of industrial wastewater. More than one hundred permanent dead zones, many covering thousands of square miles, exist worldwide today. Since reproductive success is the most critical factor in the sustainability of any species, the extent of this threat to marine life and genetic diversity can hardly be overstated. After several months in hypoxic waters, female fish produce fewer eggs. Moreover, hypoxic conditions serve to alter the normal ratio between two particular hormones manufactured during the embryonic stage when a fish's gender is determined. During gestation and under these conditions, the mother produces more testosterone (and less estradiol), which inhibits the development of female reproductive organs and other female characteristics in the embryo, while promoting the development of male traits. The implications of declining oxygen levels extend beyond individual species to entire ecosystems. Marine biodiversity is at risk as species that cannot adapt to hypoxic conditions may face extinction, leading to a cascade of effects throughout the food web. Predators may struggle to find adequate prey, while other marine organisms, such as coral reefs, which rely on healthy fish populations for symbiotic relationships, may also deteriorate. The loss of biodiversity can disrupt ecosystem services that are essential for human communities, including fisheries, tourism, and coastal protection.

Q.6 How does hypoxia affect female fish reproduction?

- (A) It increases egg production
- (B) It has no effect on reproduction
- (C) It decreases egg production
- (D) It improves the survival rate of embryos

Answer: (C) It decreases egg production

Solution:

The passage states that after several months in hypoxic waters, female fish produce fewer eggs, which directly implies that hypoxia negatively affects egg production. Thus, the correct answer is Option (C).

 Quick Tip

Hypoxia decreases reproductive success by reducing egg production in female fish.

Q.7 What term is used in the passage to describe areas with significantly low levels of oxygen?

- (A) Oxygen-rich zones
- (B) Dead zones
- (C) Marine reserves
- (D) Hypoxic waters

Answer: (B) Dead zones

Solution:

The term "dead zones" is used in the passage to describe areas with significantly low levels of oxygen, where marine life struggles to survive. Thus, the correct answer is Option (B).

 Quick Tip

Dead zones refer to areas with low oxygen levels where marine life, especially fish, cannot survive.

Q.8 What effect do altered hormone levels during gestation have on fish embryos in hypoxic conditions?

- (A) They promote the development of female traits
- (B) They cause all embryos to become hermaphrodites
- (C) They have no impact on gender determination
- (D) They inhibit female trait and promote male traits

Answer: (D) They inhibit female trait and promote male traits

Solution:

The passage explains that under hypoxic conditions, the mother fish produces more testosterone, which inhibits the development of female traits and promotes male traits in the embryo.

Thus, the correct answer is Option (D).

 Quick Tip

Hypoxic conditions lead to hormonal changes that skew the gender development towards male traits.

Q.9 What broader ecological impact does declining oxygen levels have, as mentioned in the passage?

- (A) Increase in hypoxic fish populations
- (B) Enrichment of coral reefs
- (C) Disruption of entire ecosystems
- (D) Degradation of marine biodiversity

Answer: (C) Disruption of entire ecosystems

Solution:

The passage explains that declining oxygen levels lead to a disruption of entire ecosystems, affecting species' survival, food webs, and biodiversity.

Thus, the correct answer is Option (C).

 Quick Tip

Declining oxygen levels affect marine biodiversity, disrupt food webs, and threaten ecosystem stability.

Q.10 Why is reproductive success critical for any species, according to the passage?

- (A) It ensures the continuation of genetic diversity
- (B) It determines the physical traits of the species
- (C) It affects the feeding habits of the species
- (D) It influences the increase in habitat size

Answer: (A) It ensures the continuation of genetic diversity

Solution:

Reproductive success is critical for ensuring the continuation of genetic diversity, which is necessary for the long-term survival of species.

Thus, the correct answer is Option (A).

 Quick Tip

Reproductive success ensures genetic diversity, which is essential for the survival and adaptability of species.

Q.11 Which of the following implications of hypoxia is not mentioned in the passage?

- (A) Permanent loss of fish populations in affected areas
- (B) Changes in the gender ratio of fish populations
- (C) Increased competition among fish species
- (D) Decline in ecosystem services such as fisheries and tourism

Answer: (C) Increased competition among fish species

Solution:

The passage mentions the loss of biodiversity, gender ratio changes, and the decline in ecosystem services, but it does not mention increased competition among fish species.

Thus, the correct answer is Option (C).

 Quick Tip

Increased competition among fish species is not discussed in the passage as an implication of hypoxia.

Q.12 In the context of the passage, which of the following best characterizes the term ‘sustainability’?

- (A) Maintaining current fish populations at all costs including government initiatives
- (B) Ensuring the reproductive success of marine species for future generations
- (C) Focusing solely on economic benefits derived from marine resources
- (D) Prioritizing industrial growth over environmental health

Answer: (B) Ensuring the reproductive success of marine species for future generations

Solution:

The passage emphasizes that sustainability is about ensuring the reproductive success of marine species, which is necessary for the survival of species and the preservation of marine ecosystems.

Thus, the correct answer is Option (B).

 Quick Tip

Sustainability in this context refers to ensuring the long-term survival of marine species through reproductive success.

III. Read the book descriptions for three different books and answer the questions by choosing the most appropriate options.

Here's the table you requested with columns A, B, and C in the same column:

A	B	C
The Politics of Change In "The Politics of Change," political analyst Dr. Emily Harper examines the dynamics of social movements and their impact on policy reform. Through detailed case studies, she explores how grassroots organizations, protests, and advocacy campaigns shape public opinion and influence lawmakers. Dr. Harper provides insights into the strategies that successful movements employ and discusses the challenges they face in a complex political landscape. She discusses key strategies, such as coalition-building, media engagement, and the use of digital platforms to amplify voices.	The Change in Politics This book by veteran journalist Mark Stevens investigates the shifting political landscape in the 21st century. Focusing on major elections, emerging political parties, and the role of social media, Stevens analyzes how technology and demographics are transforming political engagement and voter behavior. Through interviews with political leaders, campaign strategists, and everyday voters, Stevens uncovers how demographic shifts and technological advancements are reshaping political discourse in urban areas. He analyzes the implications of these changes for traditional political institutions and explores how movements like MeToo and Black Lives Matter have disrupted conventional narratives.	Politics and Change: A Global Perspective In this insightful work, international relations scholar Dr. Anika Patel presents a global analysis of political change across various regions. She explores the factors that drive political transitions, including economic shifts, cultural movements, and international influences. Dr. Patel emphasizes the interconnectedness of global politics and how local changes can have far-reaching implications. She analyzes various factors driving political transitions, including economic upheaval, cultural shifts, and the impact of globalization. She provides case studies from diverse regions, such as the Arab Spring, democratic movements in Latin America, and shifts in power in Asia. The book serves as a vital resource for understanding the complexities of political evolution in a rapidly changing world.

Table 1: Comparative Analysis of Political Books

Q.13 In 'The Politics of Change,' Dr. Emily Harper analyzes various grassroots movements. Which of the following factors does she most likely attribute to the success of these movements?

- (A) The use of traditional media over social media
- (B) The historical context of each movement's emergence
- (C) The ability to engage a broad coalition of stakeholders
- (D) The lack of governmental opposition

Answer: (C) The ability to engage a broad coalition of stakeholders

Solution:

Dr. Emily Harper likely emphasizes that grassroots movements succeed by engaging a broad coalition of stakeholders, which can mobilize diverse support across different segments of society.

Thus, the correct answer is Option (C).

 Quick Tip

Grassroots movements often succeed when they can rally a wide range of supporters to create lasting change.

Q.14 What major factors does Mark Stevens discuss in ‘The Change in Politics’ regarding the evolution of political engagement?

- (A) Historical events and their consequences
- (B) The role of technology and demographic changes
- (C) Economic theories and their application
- (D) Environmental issues affecting policy

Answer: (B) The role of technology and demographic changes

Solution:

Mark Stevens focuses on the role of technology and demographic shifts, which have significantly transformed political engagement by influencing how voters are reached and mobilized.

Thus, the correct answer is Option (B).

 Quick Tip

Technological advances and demographic changes are key factors in the evolving political landscape.

Q.15 In ‘Politics and Change: A Global Perspective,’ what does Dr. Anika Patel emphasize about the influence of local political changes?

- (A) They have no impact on global politics
- (B) The broad implications for international relations
- (C) They only affect neighbouring countries

(D) They are primarily driven by economic factors

Answer: (B) The broad implications for international relations

Solution:

Dr. Anika Patel discusses how local political changes have far-reaching implications for international relations, affecting global diplomatic and economic landscapes.

Thus, the correct answer is Option (B).

 Quick Tip

Local political changes often have significant effects on global diplomacy and international relations.

Q.16 Which of the following strategies does Dr. Emily Harper argue is essential for social movements to effectively influence policy reform in “The Politics of Change”?

- (A) Sole reliance on traditional media
- (B) Engaging in public apathy
- (C) Utilizing digital platforms for outreach
- (D) Focusing exclusively on local issues

Answer: (C) Utilizing digital platforms for outreach

Solution:

Dr. Emily Harper emphasizes that utilizing digital platforms is crucial for social movements to reach a larger audience, organize efficiently, and push for policy reform.

Thus, the correct answer is Option (C).

 Quick Tip

Digital platforms are essential tools for modern social movements to gain momentum and influence policy.

Q.17 Dr. Anika Patel’s ‘Politics and Change: A Global Perspective’ explores the effects of globalization on local politics. Which of the following concepts is most likely a focus of her analysis?

- (A) The isolation of national policies
- (B) The role of international organizations in local governance
- (C) The historical significance of colonialism on current political structures
- (D) The effectiveness of local movements in a globalized world

Answer: (B) The role of international organizations in local governance

Solution:

Dr. Anika Patel likely focuses on how international organizations influence local political governance, especially in a globalized world where local policies cannot be entirely isolated.

Thus, the correct answer is Option (B).

 Quick Tip

International organizations play a significant role in shaping local governance in a globalized environment.

Q.18 In ‘The Change in Politics,’ Mark Stevens highlights demographic shifts as a transformative factor in politics. Which demographic change might, he argue, have the most significant influence on recent electoral outcomes?

- (A) The aging population’s impact on social security policy
- (B) The increasing diversity of voters in urban areas
- (C) The decline trend of rural populations
- (D) The rise in youth voter participation in midterm elections

Answer: (B) The increasing diversity of voters in urban areas

Solution:

Mark Stevens emphasizes how the increasing diversity of voters in urban areas has a significant impact on electoral outcomes, shaping political landscapes.

Thus, the correct answer is Option (B).

 Quick Tip

Urban diversity plays a crucial role in shaping modern electoral outcomes.

Q.19 In ‘Politics and Change: A Global Perspective,’ Dr. Anika Patel emphasizes the interconnectedness of political systems. According to the passage, which approach would Dr. Anika Patel be most likely to use to assess the impact of local changes on global politics?

- (A) A purely economic lens focusing on trade relations
- (B) A cultural approach examining regional identities
- (C) A systemic analysis of international relations theories
- (D) A narrative approach emphasizing personal stories of political figures

Answer: (C) A systemic analysis of international relations theories

Solution:

Dr. Anika Patel is most likely to use a systemic analysis of international relations theories to assess how local political changes influence broader global politics.

Thus, the correct answer is Option (C).

 Quick Tip

A systemic approach allows for understanding the global impact of local political changes through international relations frameworks.

Q.20 In ‘The Change in Politics,’ Mark Stevens highlights the role of digital platforms in political engagement. Which of the following outcomes would he most likely argue is a direct consequence of increased digital engagement?

- (A) A decrease in overall voter turnout due to information overload
- (B) Enhanced polarization among voters as a result of targeted content
- (C) A uniform political discourse across different demographics
- (D) An increase in apathy as digital engagement replaces real-world activism

Answer: (B) Enhanced polarization among voters as a result of targeted content

Solution:

Mark Stevens argues that the use of digital platforms in political engagement has led to enhanced polarization due to targeted content that reinforces existing beliefs.

Thus, the correct answer is Option (B).

💡 Quick Tip

Digital platforms can lead to polarization by reinforcing individuals' pre-existing views through targeted content.

Q.21 Dr. Anika Patel's 'Politics and Change: A Global Perspective' posits that local political movements are interconnected with global trends. Which of the following would best illustrate this relationship?

- (A) Local protests against environmental policies influencing international climate agreements
- (B) National elections occurring independently of global economic conditions
- (C) Cultural differences leading to isolated local movements without global relevance
- (D) The presence of international influence in local governance decisions

Answer: (A) Local protests against environmental policies influencing international climate agreements

Solution:

Dr. Anika Patel argues that local political movements, such as protests against environmental policies, are interconnected with global trends, often influencing international agreements on key issues like climate change.

Thus, the correct answer is Option (A).

💡 Quick Tip

Local movements can have a global impact by influencing international policies and agreements, especially on issues like the environment.

Q.22 Considering Dr. Anika Patel's arguments in 'Politics and Change: A Global Perspective,' which of the following statements would best summarize her perspective on the role of local leaders in a globalized world?

- (A) Local leaders are primarily responsible for maintaining national sovereignty
- (B) They have limited influence on global issues and should focus on local governance
- (C) Their actions can create a ripple effect that influences international policy
- (D) They are often overlooked in favour of national leaders in global discussions

Answer: (C) Their actions can create a ripple effect that influences international policy

Solution:

Dr. Anika Patel emphasizes that local leaders' actions can have far-reaching effects, influencing global policies and trends, thus contributing to a ripple effect in the international arena.

Thus, the correct answer is Option (C).

 Quick Tip

Local leaders play a crucial role in shaping international policies through their actions, especially in a globalized world.

IV. Read the following passage and answer the following questions by choosing the most appropriate answer.

The intricate world of modern manufacturing is a web of precision and innovation, where even the tiniest components play a pivotal role. One such element, often overlooked but crucial, is the sub-subpart. Whether it's a carpenter fashioning a bespoke piece of furniture or an automobile engineer designing the next generation of vehicles, the creation of sub-subparts is a fundamental process that demands meticulous craftsmanship and cutting-edge technology. In the realm of woodworking, carpenters frequently work with sub-subparts like dowels, screws, and hinges. These minute components may appear insignificant, yet they determine the structural integrity and functionality of the final product. Crafting a dowel, for instance, begins with selecting the appropriate wood species, followed by precision cutting and shaping. The result is a perfectly cylindrical, sturdy sub-subpart that seamlessly joins two larger pieces of wood. The advent of computer-aided design (CAD) and computer numerical control (CNC) machines has revolutionised this process, enabling carpenters to create sub-subparts with unparalleled precision. Similarly, in the automobile industry, sub-subparts are the unsung heroes of vehicle construction. Take, for instance, the ball bearing—a minuscule but essential component in the wheels and transmission system. Manufacturing these precision-engineered spheres involves intricate processes like forging, heat treatment, and precision machining.

Modern techniques such as laser cutting and 3D printing have streamlined production, ensuring that these sub-subparts meet the demanding standards of the automotive sector. The manufacturing of sub-subparts is a testament to the convergence of traditional craftsmanship and cutting-edge technology. Whether it's a carpenter's workshop or a high-tech automotive assembly line, the quest for perfection in sub-subpart creation remains unwavering. The attention to detail and precision required in these processes is a testament to the dedication of craftsmen and engineers alike. To conclude, while sub-subparts may be small in size, their significance in various industries cannot be overstated. Whether it's a carpenter working on a timeless piece of furniture or an automotive engineer striving for superior performance, the manufacturing of sub-subparts is a crucial step towards achieving excellence in craftsmanship and technology. This fusion of tradition and innovation accentuates the essence of modern manufacturing.

Q.23 In the intricate world of modern manufacturing, the sub-subpart can be compared to:

- (A) The foundation of a building
- (B) The finishing touches on a masterpiece painting
- (C) The ingredients of a gourmet dish
- (D) The alphabet in a language

Answer: (A) The foundation of a building

Solution:

The sub-subpart in modern manufacturing is analogous to the foundation of a building because, though small, it is essential for ensuring structural integrity and functionality. Thus, the correct answer is Option (A).

 Quick Tip

Sub-subparts, though seemingly small, are the foundational elements that determine the success of the final product.

Q.24 According to the passage, what is the primary reason modern carpenters use computer-aided design (CAD)?

- (A) To select the most expensive wood species
- (B) To replace traditional woodworking tools
- (C) To revolutionise precision and enhance craftsmanship

(D) To create unique, one-of-a-kind furniture designs

Answer: (C) To revolutionise precision and enhance craftsmanship

Solution:

Modern carpenters use CAD primarily to enhance the precision of their work, ensuring that even the smallest components of a project meet exact standards of craftsmanship. Thus, the correct answer is Option (C).

 Quick Tip

CAD technology plays a key role in enhancing precision and improving the quality of craftsmanship in modern carpentry.

Q.25 What is the overarching message conveyed by the passage regarding the significance of sub-subparts in carpentry?

- (A) Sub-subparts are an outdated concept in modern carpentry
- (B) Sub-subparts are primarily aesthetic and don't affect functionality
- (C) Sub-subparts play a pivotal role in ensuring the quality and functionality of wood-working projects
- (D) Sub-subparts are exclusively used in the automotive industry

Answer: (C) Sub-subparts play a pivotal role in ensuring the quality and functionality of woodworking projects

Solution:

The passage emphasizes that sub-subparts, although small, are essential for the structural integrity and functionality of the final product in carpentry. Thus, the correct answer is Option (C).

 Quick Tip

In carpentry, sub-subparts are not merely decorative; they are integral to the functionality and quality of the final piece.

Q.26 Which term best characterises the fusion of traditional craftsmanship and cutting-

edge technology in the context of creating sub-subparts, as discussed in the passage?

- (A) Dichotomy
- (B) Outmodedness
- (C) Paradox
- (D) Synergy

Answer: (D) Synergy

Solution:

The passage highlights the harmonious combination of traditional craftsmanship and modern technology as a form of synergy, where both elements complement each other to achieve precision in manufacturing.

Thus, the correct answer is Option (D).

 Quick Tip

Synergy refers to the productive collaboration between traditional methods and modern technology in achieving excellence in manufacturing.

Q.27 Assertion (A): Sub-subparts like dowels and screws are often overlooked in wood-working.

Reasoning (R): Sub-subparts play a crucial role in determining the structural integrity and functionality of the final product.

Select the option that applies correctly to the assertion and reasoning.

- (A) Both (A) and (R) are true, and (R) is the correct explanation of (A)
- (B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
- (C) (A) is true, but (R) is false
- (D) (A) is false, but (R) is true

Answer: (B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)

Solution:

Both the assertion and reasoning are true, but the reasoning does not fully explain why sub-subparts are often overlooked; their critical role is typically underestimated.

Thus, the correct answer is Option (B).

 Quick Tip

Sub-subparts are often overlooked despite their crucial role in ensuring the functionality and structural integrity of the final product.

Q.28 The author would probably agree with which of the following statements?

- (A) Sub-subparts are irrelevant in modern carpentry
- (B) Modern techniques like laser cutting have improved precision in sub-subpart creation
- (C) Traditional craftsmanship has no place in woodworking today
- (D) Sub-subparts are only used for aesthetic purposes in carpentry

Answer: (B) Modern techniques like laser cutting have improved precision in sub-subpart creation

Solution:

The author highlights how modern techniques like laser cutting have revolutionized the precision and quality of sub-subparts in manufacturing.

Thus, the correct answer is Option (B).

 Quick Tip

Modern techniques, such as laser cutting, significantly enhance the precision and quality of sub-subparts in both carpentry and other industries.

Q.29 Which of the following might the author cite as an example of the fusion of traditional craftsmanship and cutting-edge technology, as described in the passage?

- (A) The decline of traditional woodworking methods
- (B) The exclusive use of 3D printing in carpentry
- (C) The abandonment of sub-subparts in modern carpentry
- (D) The use of CAD for designing of wood pieces

Answer: (D) The use of CAD for designing wood pieces

Solution:

The author emphasizes the role of CAD in combining traditional craftsmanship with modern technology for designing and creating woodworking components. Thus, the correct answer is Option (D).

 Quick Tip

The use of CAD in carpentry exemplifies the fusion of traditional methods with modern technological advancements.

Q.30 Given the author's position on the importance of sub-subparts in carpentry, what stand would the author probably take on the issue of using alternative materials in woodworking?

- (A) The author would likely advocate for alternative materials
- (B) The author would likely reject alternative materials in favour of traditional ones
- (C) The author's stance on alternative materials is unclear
- (D) The author would likely argue for a balanced approach, incorporating both traditional and modern materials

Answer: (D) The author would likely argue for a balanced approach, incorporating both traditional and modern materials

Solution:

Given the author's emphasis on the synergy of traditional and modern techniques, it is likely that they would advocate for a balanced use of both traditional and alternative materials.

Thus, the correct answer is Option (D).

 Quick Tip

A balanced approach in using both traditional and modern materials allows for innovation while maintaining quality craftsmanship.

Q.31 Which of the following lines best summarises the essence of the conclusion regarding the significance of sub-subparts in modern manufacturing?

- (A) Traditional craftsmanship is no longer relevant in today's industries

- (B) Sub-subparts are insignificant in modern manufacturing compared to larger components
- (C) The fusion of tradition and innovation stresses the importance of sub-subparts in modern manufacturing
- (D) Manufacturers should prioritise speed and quantity over craftsmanship

Answer: (C) The fusion of tradition and innovation stresses the importance of sub-subparts in modern manufacturing

Solution:

The conclusion highlights the importance of sub-subparts in modern manufacturing, underscoring the synergy between traditional craftsmanship and modern technology. Thus, the correct answer is Option (C).

 Quick Tip

The integration of traditional methods with cutting-edge technology plays a key role in enhancing the importance of sub-subparts in modern manufacturing.

V. Read the following passage and answer the following questions by choosing the most appropriate answer.

The Story of Coffee Coffee, a beloved beverage enjoyed by millions around the globe, has a rich and captivating history that spans centuries. The story of coffee begins in the ancient highlands of Ethiopia, where, according to legend, a goat herder named Kaldi discovered the stimulating effects of coffee beans. One day, Kaldi noticed his goats frolicking with unusual energy after eating red berries from a certain tree. Curious, he tried the berries himself and experienced a newfound alertness. This discovery soon spread to monasteries, where monks used it to stay awake during long hours of prayer. From Ethiopia, coffee cultivation and consumption spread to the Arabian Peninsula, particularly in Yemen, where the practice of roasting coffee beans and brewing the drink began to take shape. By the 15th century, coffee had become a popular beverage in the Islamic world, with coffee houses known as ‘qahveh khaneh’ emerging as social hubs for conversation, music, and intellectual exchange. These coffee houses became centers of culture and commerce, influencing the spread of coffee to Turkey and beyond, eventually reaching Europe. In Europe, coffee initially faced resistance from religious authorities who considered it a ‘Muslim drink’ and tried to ban it. However, its popularity persisted, and by the 17th century, coffee houses had sprung up in major European cities, becoming important gathering places for artists, writers, and thinkers. The stimulating effects of coffee were embraced during the Age of Enlightenment, where it was seen as a catalyst for intellectual discussion and innovation. The journey of coffee continued

with the establishment of colonial plantations in tropical regions such as the Caribbean, Central and South America, and Southeast Asia. These plantations fuelled the global demand for coffee, transforming it from a regional specialty to a major commodity. The industrial revolution further accelerated coffee production and consumption, leading to innovations in coffee brewing methods and the development of instant coffee. In the modern era, coffee has evolved into a deeply ingrained part of daily life for people worldwide. Its cultural significance spans from the bustling cafes of Paris to the quiet coffee farms of Colombia. Today, coffee remains not only a popular beverage but also a symbol of social interaction, productivity, and enjoyment. Whether sipped slowly over a conversation with friends or grabbed hastily on the way to work, the story of coffee continues to unfold, intertwining with the histories and cultures of countless societies across the globe.

Q.32 What did Kaldi observe that led to the discovery of coffee?

- (A) Monks brewing coffee in a monastery
- (B) Goats eating red berries and becoming energetic
- (C) Coffee beans being roasted in a coffee house
- (D) Coffee plantations being established

Answer: (B) Goats eating red berries and becoming energetic

Solution:

Kaldi, a goat herder, noticed his goats becoming energetic after eating red berries from a particular tree. This led to the discovery of coffee's stimulating effects. Thus, the correct answer is Option (B).

 Quick Tip

Sometimes great discoveries happen by chance, like Kaldi's observation of his goats becoming energetic after eating coffee berries.

Q.33 How did the Industrial Revolution impact coffee consumption?

- (A) It led to the decline of coffee popularity
- (B) It resulted in the establishment of coffee plantations in Europe
- (C) It accelerated coffee production and introduced new brewing methods
- (D) It made coffee an exclusive drink for the wealthy

Answer: (C) It accelerated coffee production and introduced new brewing methods

Solution:

The Industrial Revolution led to faster production and new innovations in brewing methods, including the creation of instant coffee.

Thus, the correct answer is Option (C).

 Quick Tip

The Industrial Revolution revolutionized coffee production, speeding up its availability and making it more accessible to the masses.

Q.34 Consider the following statement - Coffee originated in Ethiopia and quickly spread to the Arabian Peninsula and beyond, where it became popular. Which of the following best supports the statement?

- (A) Coffee houses transformed into vital centers of cultural exchange and economic activity within the Islamic world
- (B) Monastic communities utilized coffee as a means to enhance concentration during extended periods of prayer
- (C) The invigorating properties of coffee gained significant appreciation among intellectuals during the Age of Enlightenment
- (D) The dissemination of coffee from Ethiopia catalyzed its cultivation across various regions, including Turkey and Europe

Answer: (D) The dissemination of coffee from Ethiopia catalyzed its cultivation across various regions, including Turkey and Europe

Solution:

The passage highlights how coffee spread from Ethiopia to the Arabian Peninsula, Turkey, and Europe, influencing cultivation in multiple regions.

Thus, the correct answer is Option (D).

 Quick Tip

Coffee's journey from Ethiopia to the rest of the world helped establish its role as a global commodity.

Q.35 Statement 1: The introduction of coffee to the European market was met with immediate acceptance and no resistance from religious authorities.

Statement 2: The cultural significance of coffee houses in Europe during the Age of Enlightenment extended beyond mere beverage consumption to become venues for political and philosophical discourse.

Choose the correct option:

- (A) Both Statement 1 and Statement 2 are true
- (B) Statement 1 is true, but Statement 2 is false
- (C) Statement 1 is false, but Statement 2 is true
- (D) Both Statement 1 and Statement 2 are false

Answer: (C) Statement 1 is false, but Statement 2 is true

Solution:

Statement 1 is false because coffee faced initial resistance from religious authorities in Europe. Statement 2 is true because coffee houses became important centers for intellectual discussions.

Thus, the correct answer is Option (C).

 Quick Tip

Coffee houses in Europe played a significant role in intellectual and political discussions, especially during the Enlightenment.

Q.36 What does the phrase ‘emerging as social hubs’ mean in the context of the passage?

- (A) Gradually becoming popular locations for individual study and reflection
- (B) Gradually becoming isolated areas with limited social activity and interaction
- (C) Transforming into commercial businesses with some community involvement
- (D) Developing into centers for community interaction and cultural exchange

Answer: (D) Developing into centers for community interaction and cultural exchange

Solution:

The phrase refers to coffee houses transforming into gathering places for people to engage in social interaction, music, and intellectual discussions.

Thus, the correct answer is Option (D).

 Quick Tip

Coffee houses were once centers of culture and social exchange, influencing intellectual and political movements.

Q.37 Which of the following words is a synonym for “cultivation” as used in the context of the passage?

- (A) Development
- (B) Tending
- (C) Growth
- (D) Destruction

Answer: (A) Development

Solution:

“Cultivation” in the passage refers to the development of coffee cultivation into a major global commodity, not just its physical growth.

Thus, the correct answer is Option (A).

 Quick Tip

“Cultivation” in this context refers to the development and spread of coffee as a commodity across different regions.

Q.38 Which among the following sentences uses the word ‘frolicking’ in the same sense as used in the passage?

- (A) The athletes were frolicking about their training regimen before the competition
- (B) The children were frolicking along the beach, their joy palpable in the cool evening air
- (C) She found the frolicking music to be very relaxing during her study session
- (D) The artist spent the afternoon frolicking with her paintbrushes on the canvas

Answer: (B) The children were frolicking along the beach, their joy palpable in the cool evening air

Solution:

“Frolicking” in the passage refers to lively, energetic movement, similar to the joy expressed in the sentence about the children on the beach.

Thus, the correct answer is Option (B).

 Quick Tip

“Frolicking” describes joyful, playful movements, as seen with the children in the passage and in this example.

Q.39 Statement 1: The spread of coffee cultivation in tropical regions was solely driven by domestic consumption in Ethiopia.

Statement 2: The global demand for coffee prompted the establishment of plantations in various parts of the world, significantly influencing trade patterns.

Choose the correct option:

- (A) Both Statement 1 and Statement 2 are true
- (B) Statement 1 is true, but Statement 2 is false
- (C) Statement 1 is false, but Statement 2 is true
- (D) Both Statement 1 and Statement 2 are false

Answer: (C) Statement 1 is false, but Statement 2 is true

Solution:

Statement 1 is incorrect because coffee spread beyond Ethiopia due to global demand.

Statement 2 is correct as the global demand led to coffee plantations worldwide.

Thus, the correct answer is Option (C).

 Quick Tip

Global demand shapes agricultural patterns, as seen with coffee plantations growing worldwide due to increasing demand.

Q.40 What factors contributed to the transformation of coffee from a regional specialty

to a major global commodity?

- (A) The establishment of colonial plantations and the growing global demand for coffee
- (B) The initial rejection of coffee by European consumers and its subsequent revival
- (C) The decrease in the prominence of coffee houses and a transition to home brewing
- (D) The popularity of instant coffee and a growing preference for tea instead of coffee

Answer: (A) The establishment of colonial plantations and the growing global demand for coffee

Solution:

The transformation of coffee into a global commodity was driven by colonial plantations and the rising global demand for coffee.

Thus, the correct answer is Option (A).

 Quick Tip

Global demand and the establishment of coffee plantations made coffee a globally traded commodity.

Q.41 In what ways has coffee maintained its cultural significance in modern society?

- (A) Coffee is only enjoyed in traditional ceremonies and has lost its daily appeal
- (B) Coffee is now primarily consumed in fast food chains, diminishing its cultural role
- (C) Coffee has become a luxury item, only accessible to wealthy consumers
- (D) Coffee remains a popular beverage and symbolizes social interaction

Answer: (D) Coffee remains a popular beverage and symbolizes social interaction

Solution:

Coffee continues to be a widely enjoyed beverage, playing a key role in social gatherings and cultural practices.

Thus, the correct answer is Option (D).

 Quick Tip

Coffee remains an important part of social life, from daily routines to social meet-ups in cafes.

VI. Read the excerpt from a Handicrafts Manual: ‘Advanced Knitting Techniques’ and answer the following questions by choosing the most appropriate answer.

THE FAIR ISLE METHOD: Fair Isle knitting is a traditional technique that involves using two or more colours of yarn in a single row to create intricate patterns and designs. This method requires careful tension management to ensure even stitches and prevent puckering. To begin, select your colours and cast on the desired number of stitches. As you knit, alternate between colours every few stitches, carrying the unused yarn along the back of the work. Mastering the Fair Isle technique allows you to create stunning visual effects in garments, accessories, and home textiles

THE CONTINENTAL STYLE: The Continental knitting style, often referred to as “picking,” involves holding the yarn in the left hand while the right hand manipulates the needles. This method allows for greater speed and efficiency, particularly when working with complex patterns or multiple colours. To practice this style, start by casting on your stitches and using your left hand to tension the yarn. With each stitch, simply “pick” the yarn with your right needle, forming a quick and fluid motion. As you become comfortable with this technique, you may find that your overall knitting speed and comfort improve significantly.

THE SHORT-ROW TECHNIQUE: Short-row knitting is an advanced technique that allows for the creation of shaped garments, such as sleeves and shoulders, without the need for complex shaping. To make a sleeve using this technique, begin by casting on the required number of stitches. Work a portion of the row, then turn your work and return without completing the full row to create the “short rows” that shape the curves of the sleeve. To prevent holes at the turn, wrap the stitch before you turn your work. Repeat this process as needed to achieve the desired shaping and dimension of the sleeve. Once you have shaped the sleeve, you can then sew the side seams to connect the pieces of your garment and finally, complete the edges to ensure a clean finish. This method not only helps shape curves but also adds dimension to your piece, allowing you to enhance fit and style.

Q.42 Ensuring ‘even stitches and prevent puckering’ refers to the

- (A) Tension management
- (B) Colour selection
- (C) Yarn thickness
- (D) Stitch pattern

Answer: (A) Tension management

Solution:

The emphasis on ‘even stitches and prevent puckering’ refers to controlling tension to ensure consistent stitches and avoid uneven fabric.

Thus, the correct answer is Option (A).

 Quick Tip

Proper tension management is essential in techniques like Fair Isle to avoid puckering and to maintain even stitching throughout the project.

Q.43 What is the correct order of stitching steps to make a sleeve using the short-row technique?

- (A) Cast on stitches, create short rows, sew side seams, finish edges
- (B) Create short rows, cast on stitches, sew side seams, finish edges
- (C) Sew side seams, cast on stitches, create short rows, finish edges
- (D) Cast on stitches, sew side seams, finish edges, create short rows

Answer: (A) Cast on stitches, create short rows, sew side seams, finish edges

Solution:

The correct process for making a sleeve involves casting on stitches first, followed by creating short rows, sewing side seams, and finally finishing edges.

Thus, the correct answer is Option (A).

 Quick Tip

For short-row technique, always cast on first and then proceed with short rows before finishing other steps like sewing seams.

Q.44 What is the primary focus of the Fair Isle method?

- (A) Creating seamless garments
- (B) Using multiple colours for intricate patterns

- (C) Speed and dexterity in knitting
- (D) Shaping complex garments using coloured yarns

Answer: (B) Using multiple colours for intricate patterns

Solution:

The Fair Isle method focuses on using multiple yarn colours in a single row to create detailed, visually appealing patterns.

Thus, the correct answer is Option (B).

 Quick Tip

Fair Isle is all about intricate colour patterns that add visual interest to the work, requiring careful tension management.

Q.45 What does the emphasis on wrapping the stitch before turning suggest about the short-row technique?

- (A) It is a complicated method that requires extensive practice
- (B) It is only relevant for advanced knitters
- (C) Proper execution is crucial to ensure a polished finish
- (D) It is optional and can be skipped for faster results

Answer: (C) Proper execution is crucial to ensure a polished finish

Solution:

The wrapping technique is important to ensure smooth transitions and a professional finish in the short-row method.

Thus, the correct answer is Option (C).

 Quick Tip

Wrapping the stitch properly is key to achieving smooth, clean transitions and avoiding gaps in short rows.

Q.46 Based on the description of the Continental style, which of the following can be inferred about its efficiency?

- (A) It is slower than other knitting methods
- (B) It is best suited for complex patterns only
- (C) It requires more yarn than traditional methods
- (D) It enables quicker advancement in design

Answer: (D) It enables quicker advancement in design

Solution:

The Continental style is known for allowing quicker movements, which enhances the knitter's speed and efficiency, especially in design development.

Thus, the correct answer is Option (D).

 Quick Tip

The Continental style is more efficient for quick progression in knitting due to its faster technique.

Q.47 Considering the techniques discussed, what might be inferred about the overall skill level required for mastering Fair Isle and Continental knitting?

- (A) Both techniques can be mastered without any prior experience
- (B) Advanced techniques require a strong foundation in basic knitting skills
- (C) They are accessible only to expert knitters with years of experience
- (D) No specific skills are necessary for these techniques

Answer: (B) Advanced techniques require a strong foundation in basic knitting skills

Solution:

Both Fair Isle and Continental techniques require a solid understanding of basic knitting skills before moving on to these advanced methods.

Thus, the correct answer is Option (B).

 Quick Tip

Mastering advanced knitting techniques builds on a strong foundation of basic knitting skills, enabling better design flexibility.

Q.48 Which option includes the most appropriate meaning of the underlined phrase in the given sentence? “With each stitch, simply pick the yarn with your right needle, forming a quick and fluid motion.”

- (A) Grasp the yarn firmly
- (B) Lift the yarn easily
- (C) Catch the yarn smoothly
- (D) Pull the yarn tightly

Answer: (C) Catch the yarn smoothly

Solution:

The phrase “pick the yarn” refers to catching the yarn smoothly with the needle in a fluid motion.

Thus, the correct answer is Option (C).

Quick Tip
“Pick the yarn” refers to catching it smoothly with the needle, ensuring a seamless stitch formation.

Q.49 What can be inferred about the relationship between mastering advanced knitting techniques and a knitter’s design capabilities?

- (A) Mastering advanced techniques limits a knitter’s creativity to specific patterns
- (B) Advanced techniques enhance a knitter’s ability to create innovative and varied designs
- (C) Mastery of these techniques is irrelevant to design capabilities
- (D) A knitter can achieve the same results using only basic techniques

Answer: (B) Advanced techniques enhance a knitter’s ability to create innovative and varied designs

Solution:

Mastering advanced techniques opens up more creative possibilities and allows for more complex and varied design options.

Thus, the correct answer is Option (B).

 Quick Tip

Advanced knitting techniques allow for a greater variety of design options, unlocking creativity and skill development.

Q.50 How might the integration of both the Fair Isle method and the short-row technique influence a knitter's approach to garment construction?

- (A) It streamlines the process, making it easier for all skill levels to create garments
- (B) It fosters creativity through intricate designs, needing advanced skills to execute
- (C) It restricts the knitter to simple patterns, limiting creative possibilities
- (D) It minimizes the need for precision, allowing for a more relaxed approach to knitting

Answer: (B) It fosters creativity through intricate designs, needing advanced skills to execute

Solution:

The combination of the Fair Isle and short-row techniques offers a wide array of intricate designs, requiring advanced skills for successful execution.

Thus, the correct answer is Option (B).

 Quick Tip

Combining advanced techniques like Fair Isle and short rows allows for more complex, creative designs in garment construction.

SECTION – B : CURRENT AFFAIRS AND GENERAL KNOWLEDE

Q.51 Which nation became the first country to adopt Bitcoin as a legal tender?

- (A) Nigeria
- (B) El Salvador
- (C) Republic of Turkey
- (D) Central African Republic

Answer: (B) El Salvador

Solution:

El Salvador made history by becoming the first country to officially adopt Bitcoin as legal tender in 2021.

Thus, the correct answer is Option (B).

 Quick Tip

El Salvador's adoption of Bitcoin was a pioneering move in cryptocurrency and its integration into the economy.

Q.52 Which among the following is considered as the world's largest stateless population?

- (A) Chakmas
- (B) Feyli Kurd
- (C) Rohingyas
- (D) Tibetan Refugees

Answer: (C) Rohingyas

Solution:

The Rohingyas, a Muslim minority group from Myanmar, are considered the world's largest stateless population, facing persecution and displacement.

Thus, the correct answer is Option (C).

 Quick Tip

The Rohingya crisis is one of the most severe statelessness issues, with over a million refugees living in camps, primarily in Bangladesh.

Q.53 Which athlete achieved the distinction of becoming the first Indian athlete from independent India to win two medals in a single edition of the Summer Olympics?

- (A) Neeraj Chopra
- (B) Harmanpreet Singh

- (C) Lakshya Sen
(D) Manu Bhakar

Answer: (D) Manu Bhakar

Solution:

Manu Bhakar became the first Indian athlete from independent India to win two medals in a single edition of the Summer Olympics, achieving this feat in shooting. Thus, the correct answer is Option (D).

 Quick Tip

Manu Bhakar made history with her remarkable achievement in the 2020 Tokyo Olympics, securing two medals in shooting events.

Q.54 Who is credited with being the first oncologist in India to have successfully performed a bone marrow transplant?

- (A) Dr. K. K. Agarwal
(B) Dr. Suresh H. Advani
(C) Dr. Mansoor Hasan
(D) Dr. Indira Hinduja

Answer: (B) Dr. Suresh H. Advani

Solution:

Dr. Suresh H. Advani is known for being the first oncologist in India to successfully perform a bone marrow transplant, contributing significantly to cancer treatment in the country.

Thus, the correct answer is Option (B).

 Quick Tip

Dr. Suresh H. Advani's work in bone marrow transplants revolutionized cancer treatment in India, offering hope to many.

Q.55 Which of the following is considered to be the closest equivalent of a 'Nobel Prize'?

in the field of Mathematics?

- (A) Hess-Leffler Medal
- (B) Gording-Harmander Award
- (C) Fields Medal
- (D) Shaw-Wolf Prize

Answer: (C) Fields Medal

Solution:

The Fields Medal is widely regarded as the most prestigious award in mathematics, often referred to as the "Nobel Prize" of the field.

Thus, the correct answer is Option (C).

 Quick Tip

The Fields Medal is awarded every four years to mathematicians under 40 years old, recognizing outstanding achievements in the field.

Q.56 The 2024 International Booker Prize was awarded to the book 'Kairos' by Jenny Erpenbeck. Which of the following makes this win notable?

- (A) First book translated from German to win the prize
- (B) First book written by a stateless person to win the prize
- (C) First book to win both the Booker Prize and Pulitzer Prize in the same year
- (D) First autobiography to win the prize

Answer: (A) First book translated from German to win the prize

Solution:

Jenny Erpenbeck's 'Kairos' made history as the first book translated from German to win the prestigious International Booker Prize.

Thus, the correct answer is Option (A).

 Quick Tip

‘Kairos’ stands out as the first translated German work to win the International Booker, highlighting the global recognition of German literature.

Q.57 M.S. Dhoni is considered to be one of the most successful captains and players in the popular Indian Premier League (IPL). Which other franchise in addition to the Chennai Super Kings has Dhoni played for?

- (A) Rising Pune Supergiants
- (B) Gujarat Titans
- (C) Rajasthan Royals
- (D) Sunrisers Hyderabad

Answer: (A) Rising Pune Supergiants

Solution:

In addition to Chennai Super Kings, M.S. Dhoni played for the Rising Pune Supergiants for two seasons (2016 and 2017).

Thus, the correct answer is Option (A).

 Quick Tip

M.S. Dhoni captained Rising Pune Supergiants during the 2016-2017 IPL seasons after CSK was suspended.

Q.58 Which Indian football sporting club won the inaugural ASEAN Football Championship hosted by Indonesia in 2003?

- (A) Mohan Bagan AC
- (B) Salgaocar FC
- (C) NorthEast United FC
- (D) East Bengal FC

Answer: (D) East Bengal FC

Solution:

East Bengal FC won the inaugural ASEAN Football Championship in 2003, a significant achievement in Indian football history.

Thus, the correct answer is Option (D).

💡 Quick Tip

East Bengal FC's victory in the 2003 ASEAN Football Championship was a milestone in Indian football's international success.

Q.59 Perseverance Rover, launched by NASA, is famous for its mission to explore the surface of which celestial body, particularly to seek signs of ancient life and collect samples for future return to Earth?

- (A) Mercury
- (B) Mars
- (C) Juno
- (D) Titan

Answer: (B) Mars

Solution:

The Perseverance Rover was launched by NASA with the primary mission to explore Mars, searching for signs of ancient life and collecting samples for future return to Earth. Thus, the correct answer is Option (B).

💡 Quick Tip

Perseverance Rover's mission on Mars is pivotal for future human exploration of the planet and understanding its ancient history.

Q.60 The Nobel Peace Prize for 2024 was awarded to

- (A) Organisation for the Prohibition of Chemical Weapons
- (B) Amnesty International
- (C) Nihon Hidankyo

(D) UN Peacekeeping Force

Answer: (C) Nihon Hidankyo

Solution:

The Nobel Peace Prize for 2024 was awarded to Nihon Hidankyo, the Japanese organization advocating for the rights of hibakusha (atomic bomb survivors) and working towards nuclear disarmament.

Thus, the correct answer is Option (C).

 Quick Tip

Nihon Hidankyo's advocacy for hibakusha and nuclear disarmament has been globally recognized, earning them the 2024 Nobel Peace Prize.

Q.61 Which of the following is not a member of the United Nations?

- (A) Taiwan
- (B) United States of America
- (C) Honduras
- (D) Brazil

Answer: (A) Taiwan

Solution:

Taiwan is not a member of the United Nations due to the One-China policy. While Taiwan functions as an independent nation, it is not recognized as a UN member state. Thus, the correct answer is Option (A).

 Quick Tip

Taiwan's non-membership in the UN is a result of diplomatic and political factors, particularly the One-China policy.

Q.62 The third Japan-India 2+2 Ministerial Meeting was held in New Delhi in 2024. Which is a core focus area for these meetings?

- (A) Joint space exploration programme
- (B) Bilateral security and defence cooperation
- (C) Regional migration framework
- (D) Joint climate change action plan

Answer: (B) Bilateral security and defence cooperation

Solution:

The core focus of the Japan-India 2+2 Ministerial Meetings is on enhancing bilateral security and defense cooperation, including strategic and military ties between the two nations.

Thus, the correct answer is Option (B).

 Quick Tip

The Japan-India 2+2 Ministerial Meetings are key to strengthening the defense and security ties between both countries, enhancing regional stability.

Q.63 The following listed items are joint military exercises conducted by India, with another foreign nation. Match the following:

S.no	Item	S.no.	Item
A.	Veer Guardian	I.	Mongolia
B.	Nomadic Elephant	II.	United States of America
C.	Vajra Prahar	III.	Japan
D.	Exercise Maitree	IV.	Thailand

Answer: (C) A-III, B-I, C-II, D-IV

Solution:

The correct matching of the joint military exercises with their partner countries is:

- A. Veer Guardian - Japan
- B. Nomadic Elephant - Mongolia
- C. Vajra Prahar - United States of America
- D. Exercise Maitree - Thailand

Thus, the correct answer is Option (C).

 Quick Tip

The "Veer Guardian" exercise is with Japan, focusing on joint military operations, while "Nomadic Elephant" is with Mongolia, known for training in counter-insurgency operations.

Q.64 Nupi Lan, also known as the 'Women War', was a significant revolt against the British and is often credited as one of the earliest uprisings in India to be led entirely by women. In which present-day state did the uprising take place?

- (A) Manipur
- (B) Arunachal Pradesh
- (C) Chhattisgarh
- (D) Tripura

Answer: (A) Manipur

Solution:

Nupi Lan, also known as the Women's War, was a significant uprising in Manipur against the British in the early 20th century, where women played a pivotal role in resisting colonial rule.

Thus, the correct answer is Option (A).

 Quick Tip

The Nupi Lan revolt was a turning point in Indian history, symbolizing the power and resistance of women in the face of colonial oppression.

Q.65 Who is the current Secretary General of the United Nations?

- (A) Ban-Ki Moon
- (B) Kofi Annan
- (C) Ursula von der Leyen
- (D) Antonio Guterres

Answer: (D) Antonio Guterres

Solution:

Antonio Guterres, the former Prime Minister of Portugal, has been serving as the Secretary-General of the United Nations since January 1, 2017.

Thus, the correct answer is Option (D).

 Quick Tip

Antonio Guterres was re-elected for a second term as UN Secretary-General in 2021, serving a crucial role in global diplomacy and peace efforts.

Q.66 What is the international significance of 21st June?

- (A) Human Rights Day
- (B) Women's Day
- (C) International Day of Yoga
- (D) World Day Against Child Labour

Answer: (C) International Day of Yoga

Solution:

The International Day of Yoga is celebrated on June 21 each year, highlighting the importance of physical and mental well-being through the practice of yoga.

Thus, the correct answer is Option (C).

 Quick Tip

The United Nations declared June 21 as the International Day of Yoga in 2014, at the initiative of India, to promote the ancient practice globally.

Q.67 According to the Swachh Survekshan 2023 rankings, which of the following cities was ranked as the cleanest in India?

- (A) Pune
- (B) Indore
- (C) Bhopal
- (D) Tirupati

Answer: (B) Indore

Solution:

Indore, located in Madhya Pradesh, was ranked as the cleanest city in India according to the Swachh Survekshan 2023 rankings, continuing its legacy of cleanliness.

Thus, the correct answer is Option (B).

💡 Quick Tip

Indore has consistently topped the Swachh Survekshan rankings, thanks to its effective waste management systems and cleanliness initiatives.

Q.68 The following are various dance forms found in different parts of India. While a certain dance form may be associated with more than one state, select the most appropriate response to the noted options below:

S.no	Dance form	S.no.	State
A.	Bharatanatyam	I.	Assam
B.	Sattriya	II.	Andhra Pradesh
C.	Kathakali	III.	Tamil Nadu
D.	Kuchipudi	IV.	Kerala

Answer: (A) A-III, B-I, C-IV, D-II

Solution:

The correct matching of the dance forms with their respective states is:

A. Bharatanatyam - Tamil Nadu

B. Sattriya - Assam

C. Kathakali - Kerala

D. Kuchipudi - Andhra Pradesh

Thus, the correct answer is Option (A).

💡 Quick Tip

Bharatanatyam is a classical dance form from Tamil Nadu, Sattriya from Assam, Kathakali from Kerala, and Kuchipudi from Andhra Pradesh.

Q.69 Vinesh Phogat was disqualified from the wrestling competition at the 2024 Paris Olympics after exceeding the weight limit by 100 grams during the weigh-in for her 50 kg final. Her disqualification was upheld on appeal. To which international body did Vinesh Phogat and the Indian Olympic Association appeal?

- (A) Court of Arbitration for Sports
- (B) International Sports Arbitration Tribunal
- (C) International Athletic Arbitration Authority
- (D) Tribunal Internacional de Arbitraje

Answer: (A) Court of Arbitration for Sports

Solution:

Vinesh Phogat and the Indian Olympic Association appealed to the Court of Arbitration for Sports after her disqualification from the 2024 Paris Olympics.

Thus, the correct answer is Option (A).

 Quick Tip

The Court of Arbitration for Sports is an independent institution that resolves legal disputes in sports, including issues related to Olympic events.

Q.70 In September 2024, a new scheme, Bio-RIDE, was approved in the area of biotechnology. Identify the components of the scheme.

- I. Biotechnology Research and Development
- II. Industrial Entrepreneurship Development
- III. Biomanufacturing and Biofoundry
- IV. Biotechnology parks and International Collaborations

Answer: (A) I, II, III

Solution:

Bio-RIDE focuses on Biotechnology Research and Development, Industrial Entrepreneurship Development, and Biomanufacturing and Biofoundry. The focus is on advancing biotechnology to foster innovation and growth in the industry.

Thus, the correct answer is Option (A).

 Quick Tip

Bio-RIDE aims to advance biotechnology in India by promoting RD, supporting industrial development, and fostering bio-manufacturing technologies.

Q.71 The quality of drinking water is regularly measured in terms of TDS. Higher the TDS, poorer the quality of drinking water. What does TDS stand for?

- (A) Total Dilution Solubility
- (B) Total Dissolved Solids
- (C) Total De-Salination
- (D) Total Density Solution

Answer: (B) Total Dissolved Solids

Solution:

TDS stands for Total Dissolved Solids. It refers to the total concentration of dissolved substances in water, such as salts, minerals, and organic matter.

Thus, the correct answer is Option (B).

 Quick Tip

A higher TDS level in water indicates poor quality due to the presence of dissolved solids such as salts and minerals.

Q.72 In 2004, the Government of India decided to create a new category of languages known as 'Classical Languages'. What are the latest criteria, announced in 2024, for inclusion of languages within this category?

- I. High antiquity of its early texts/recorded history over a period of 1500-2000 years.
- II. A body of ancient literature/texts, which is considered a heritage by generations of speakers.
- III. Knowledge texts, especially prose texts in addition to poetry, epigraphical and inscriptional evidence.
- IV. The classical languages and literature could be distinct from its current form or could be discontinuous with later forms of its offshoots.
- V. The literary tradition be original and not borrowed from another speech community.

Answer: (D) Only I, II, III IV

Solution:

The criteria for a language to be recognized as 'Classical Language' include high antiquity, a body of ancient literature, a distinct literary tradition, and the preservation of ancient

texts, among others.

Thus, the correct answer is Option (D).

 Quick Tip

Classical languages are distinguished by their ancient, rich literary tradition and original contributions to world culture.

Q.73 The movie ‘The Man Who Knew Infinity’ depicts the life story of

- (A) Apurba Ramchandran
- (B) Ramanbhai Patel
- (C) Srinivasa Ramanujan
- (D) Venki Ramakrishna

Answer: (C) Srinivasa Ramanujan

Solution:

The movie “The Man Who Knew Infinity” tells the life story of the famous Indian mathematician Srinivasa Ramanujan, focusing on his journey and work in mathematics.

Thus, the correct answer is Option (C).

 Quick Tip

Srinivasa Ramanujan is one of the greatest mathematicians in history, known for his contributions to number theory and infinite series.

Q.74 Who was known as the ‘Bard of Brahmaputra’?

- (A) Tarali Sarma
- (B) Bhupen Hazarika
- (C) Bishakh Jyoti
- (D) Niranjan Rout

Answer: (B) Bhupen Hazarika

Solution:

Bhupen Hazarika, a legendary figure in Assamese culture, is often referred to as the ‘Bard of Brahmaputra’ due to his contribution to music, literature, and Assamese culture. Thus, the correct answer is Option (B).

 Quick Tip

Bhupen Hazarika was a renowned singer, composer, and filmmaker who became an iconic cultural figure in Assam and the entire Northeast region of India.

Q.75 In 2024, the Government of India introduced the Rashtriya Vigyan Puraskar, recognizing key contributions in the field of science and technology in India. In the first edition, awards were presented in the following four categories:

- I. Vigyan Ratna
- II. Vigyan Shri
- III. Vigyan Yuva
- IV. Vigyan Team
- V. Vigyan Aavishkar

Answer: (A) Only I, II, III, IV

Solution:

The four categories of the Rashtriya Vigyan Puraskar are Vigyan Ratna, Vigyan Shri, Vigyan Yuva, and Vigyan Team, which acknowledge excellence in science and technology. Thus, the correct answer is Option (A).

 Quick Tip

The Rashtriya Vigyan Puraskar aims to recognize outstanding individuals and teams in the field of science and technology in India.

Q.76 As part of its NTMHP initiative, the Government of India recently introduced TELE-MANAS, a 24/7 toll-free helpline (14416). What does TELE-MANAS stand for?

- (A) Tele Mental Health Assistance and Networking Across States
- (B) Tele Medicine Assistance and National Support
- (C) Tele Mental Assistance and National Aid Service
- (D) Tele Medical Aid and Networking Across States

Answer: (A) Tele Mental Health Assistance and Networking Across States

Solution:

TELE-MANAS is a mental health initiative by the Government of India providing assistance and networking across states to offer mental health support via a toll-free helpline. Thus, the correct answer is Option (A).

 Quick Tip

TELE-MANAS aims to provide mental health assistance across India, particularly focusing on accessible mental health care services.

Q.77 Festivals in India are a vibrant reflection of its diverse culture, heritage, and traditions. Match the following festivals with the State with which it's most frequently associated.

S.no Festival	S.no State
I. Kadalekayi Parishe	A. Gujarat
II. Bohag Bihu	B. Orissa
III. Uttarayan	C. Assam
IV. Nuakhai	D. Karnataka

Answer: (B) I-D, II-C, III-A, IV-B

Solution:

The correct matching of the festivals with their states is:

I. Kadalekayi Parishe - Karnataka

II. Bohag Bihu - Assam

III. Uttarayan - Gujarat

IV. Nuakhai - Orissa

Thus, the correct answer is Option (B).

 Quick Tip

Kadalekayi Parishe is a festival celebrated in Karnataka, Bohag Bihu in Assam, Uttarayan in Gujarat, and Nuakhai in Orissa.

Q.78 In the ongoing Israeli-Palestinian conflict, frequent references have been made to the 'Iron Dome'. What does it refer to?

- (A) Ancient architectural buildings particularly religious buildings featuring a dome
- (B) An advanced cyber shield ensuring multilayer protection against invasive cyberattacks
- (C) A continuous remote sensing surveillance technology to detect deep underground tunnels
- (D) Multipurpose missile defense system designed to protect against a wide range of indirect and aerial threats

Answer: (D) Multipurpose missile defense system designed to protect against a wide range of indirect and aerial threats

Solution:

The 'Iron Dome' refers to an advanced missile defense system used to intercept short-range threats like missiles and rockets.

Thus, the correct answer is Option (D).

 Quick Tip

The Iron Dome is an effective missile defense system developed by Israel to counter short-range threats and protect civilian areas.

Q.79 The Indian Air Force recently inaugurated a new training establishment, the Weapon Systems School (WSS), with the aim of recalibrating and transforming the Indian Air Force as a future-oriented force. In which city was the WSS located?

- (A) Gorakhpur, UP
- (B) Begumpet, Hyderabad
- (C) Tezpur, Assam
- (D) Jodhpur, Rajasthan

Answer: (B) Begumpet, Hyderabad

Solution:

The Weapon Systems School (WSS) of the Indian Air Force is located in Begumpet, Hyderabad.

Thus, the correct answer is Option (B).

 Quick Tip

The Weapon Systems School in Begumpet, Hyderabad focuses on the training of IAF personnel on various modern weapon systems and technologies.

Q.80 Which of the following statements best describes the nature of the National Automated Clearing House (NACH) implemented by the National Payment Corporation of India (NPCI)?

- (A) It is a web-based solution to facilitate interbank, high volume, electronic transactions which are repetitive and periodic in nature
- (B) It is utilized to modify in real-time individual transactions between bank accounts
- (C) It facilitates direct government disbursements to beneficiaries under various schemes
- (D) It is an RBI mobile app to facilitate international wire transfers and foreign remittances

Answer: (A) It is a web-based solution to facilitate interbank, high volume, electronic transactions which are repetitive and periodic in nature

Solution:

The National Automated Clearing House (NACH) is a web-based platform used to manage high-volume, repetitive, and periodic interbank transactions, especially for purposes like recurring payments and direct debits.

Thus, the correct answer is Option (A).

 Quick Tip

NACH is used for bulk electronic transactions, such as salary disbursements, loan repayments, and government subsidies.

SECTION – C : LOICAL REASONING

Q.81 Some Hyenas are Lions. All Lions are Cats. Some Cats are Wolves.
Examine the following statements:

- I. Some Cats are Lions.
- II. Some Wolves are Lions.
- III. Some Cats are Hyenas.

- (A) Both I II follows

- (B) Both II III follows
- (C) Both I III follows
- (D) Only III follows

Answer: (C) Both I III follows

Solution:

- I. Some Cats are Lions: This follows because all Lions are Cats, so some Cats can be Lions.
 - II. Some Wolves are Lions: This does not follow as the relationship between Wolves and Lions is not specified.
 - III. Some Cats are Hyenas: This follows because some Hyenas are Lions, and all Lions are Cats, so some Cats can be Hyenas.
- Thus, the correct answer is Option (C).

 Quick Tip

The key to solving these syllogism problems is to carefully examine the relationships and understand the logical implications of each statement.

Q.82 All Squirrels are Herbivores. Some Herbivores are Elephants. All Elephants are Mammals. Some Mammals are Carnivores.

Examine the following statements:

- I. Some Mammals are Herbivores.
- II. All Elephants are Squirrels.
- III. Some Carnivores are Herbivores.

- (A) Only I follows
- (B) Both II III follows
- (C) Both I III follows
- (D) Only II follows

Answer: (A) Only I follows

Solution:

- I. Some Mammals are Herbivores: This follows because some Herbivores (like Elephants) are Mammals.
- II. All Elephants are Squirrels: This does not follow as Elephants are not Squirrels.

- III. Some Carnivores are Herbivores: This does not follow because Carnivores and Herbivores are mutually exclusive in this context.
Thus, the correct answer is Option (A).

💡 Quick Tip

In syllogism, the logical relationships between groups of items must be examined carefully, particularly with terms like 'some', 'all', and 'none'.

Q.83 All Engineers are Mathematicians. Some Mathematicians are Authors. No Author is a Scientist. Some Engineers are Scientists.

Examine the following statements:

I. No Author is an Engineer.

II. Some Scientists are Engineers.

III. Some Mathematicians are not Scientists.

(A) Only II follows

(B) Both I III follows

(C) Both II III follows

(D) Only I follows

Answer: (C) Both II III follows

Solution:

- I. No Author is an Engineer: This does not follow as the relationship between Engineers and Authors is not specified.

- II. Some Scientists are Engineers: This follows because some Engineers are Scientists.

- III. Some Mathematicians are not Scientists: This follows because not all Mathematicians are Scientists (due to the 'Some Engineers are Scientists' statement).

Thus, the correct answer is Option (C).

💡 Quick Tip

In syllogism problems, it's essential to identify whether a group relationship is stated in an inclusive or exclusive manner.

Q.84 All gadgets are machines. Some gadgets are tools. All machines are useful.

Examine the following statements:

- I. Some tools are useful.
- II. All that is useful are machines.
- III. All tools are gadgets.

- (A) Only I follows
- (B) Only II follows
- (C) Both I III follows
- (D) Both II III follows

Answer: (A) Only I follows

Solution:

- I. Some tools are useful: This follows because all gadgets are machines, and some gadgets are tools. Since all machines are useful, some tools are useful.
 - II. All that is useful are machines: This does not follow because being useful does not necessarily mean it's a machine.
 - III. All tools are gadgets: This does not follow as the relationship between tools and gadgets is only partial (some gadgets are tools).
- Thus, the correct answer is Option (A).

 Quick Tip

Always carefully analyze the relationships of the terms in syllogism to draw valid conclusions, especially with the word 'some'.

Q.85 All International Court of Justice (ICJ) judgments are binding on parties involved in the case. Some ICJ judgments have persuasive value in domestic courts. Judgments of domestic courts can be referenced by the ICJ, but they are not binding.

Examine the following statements:

- I. Some ICJ judgments are binding on domestic courts.
- II. Some domestic court judgments are binding on the ICJ.
- III. ICJ judgments can be used to strengthen arguments in domestic courts.

- (A) Only I follows
- (B) Both I II follows
- (C) Both I III follows
- (D) Only III follows

Answer: (D) Only III follows

Solution:

- I. Some ICJ judgments are binding on domestic courts: This does not follow as ICJ judgments are not binding on domestic courts.
 - II. Some domestic court judgments are binding on the ICJ: This does not follow as domestic court judgments are not binding on the ICJ.
 - III. ICJ judgments can be used to strengthen arguments in domestic courts: This follows because ICJ judgments can be referenced to strengthen arguments in domestic courts.
- Thus, the correct answer is Option (D).

 Quick Tip

Understanding the nature of binding and persuasive authority in legal contexts is crucial for drawing valid conclusions.

Q.86 All drivers are Tall. Some Tall persons violate traffic lights. All who violate traffic lights are fined. B is Tall.

Examine the following statements:

- I. B is a driver.
- II. B may violate a traffic light.
- III. B will definitely violate traffic light.
- IV. If B is a driver, he will get fined.
- V. B will definitely get fined.

- (A) Only I, III and V
- (B) Only II
- (C) Only I and III
- (D) Only I and V

Answer: (B) Only II

Solution:

- I. B is a driver: This does not follow, as being Tall does not imply B is a driver.
- II. B may violate a traffic light: This follows because some Tall persons violate traffic lights.
- III. B will definitely violate traffic light: This does not follow as not all Tall persons violate traffic lights.
- IV. If B is a driver, he will get fined: This does not necessarily follow because B's

violation is not certain.

- V. B will definitely get fined: This does not follow as B's violation is not certain.
Thus, the correct answer is Option (B).

 Quick Tip

In syllogism, careful attention to the relationships and conditions (like "may", "some", and "all") is key to deriving correct conclusions.

Q.87 A consumer advocacy group published a report accusing Alpha Electronics Company of producing faulty products, misleading advertising, and failing to provide adequate customer service. The report presented various customer testimonials and product reviews as evidence of these issues.

Which of the following assumptions, if true, most strengthens the advocacy group's claims?

- (A) Alpha's competitors made larger profits than Alpha in the immediately previous year
- (B) Alpha had recently changed its advertising strategy to highlight customer satisfaction more prominently
- (C) Alpha was recently fined by a regulatory body for not complying with consumer protection standards
- (D) Alpha recently appointed a new CEO

Answer: (C) Alpha was recently fined by a regulatory body for not complying with consumer protection standards

Solution:

The assumption that Alpha was fined for not complying with consumer protection standards directly strengthens the claims of faulty products, misleading advertising, and poor customer service.

Thus, the correct answer is Option (C).

 Quick Tip

A strong assumption is one that directly supports the argument being made and provides concrete evidence.

Q.88 In scientific inquiry, the hypothesis is a testable statement that predicts the relation-

ship between variables. According to the scientific method, the validity of a hypothesis is determined by its ability to withstand empirical testing and produce consistent results. Critics of this approach argue that relying solely on empirical data can lead to the neglect of theoretical frameworks that provide context for understanding phenomena.

Which of the following assumption would allow the above statements to be properly made?

- (A) Empirical data alone can be sufficient to explain complex scientific phenomena
- (B) Theoretical frameworks often provide critical insights that cannot be derived from empirical testing alone
- (C) Many scientific theories are based on assumptions that cannot be empirically tested
- (D) Both b) and c) above

Answer: (D) Both b) and c) above

Solution:

- (A) Empirical data alone can be sufficient to explain complex scientific phenomena: This does not strengthen the critics' argument.
 - (B) Theoretical frameworks often provide critical insights that cannot be derived from empirical testing alone: This supports the critics' argument.
 - (C) Many scientific theories are based on assumptions that cannot be empirically tested: This also supports the critics' argument.
- Thus, the correct answer is Option (D).

 Quick Tip

Scientific theories are often built on assumptions and frameworks that cannot be fully tested through empirical data alone.

Q.89 Recent studies indicate that the implementation of remote work policies has led to an increase in employee productivity in many companies. Factors contributing to this trend include reduced commuting time, greater flexibility in work hours, and the ability for employees to create personalised work environments. However, the studies also note that employees who work remotely may experience feelings of isolation and disconnection from their colleagues, which could impact team cohesion and communication. Companies that have adopted remote work policies are now considering whether to continue, modify, or return to traditional in-office work arrangements.

Which of the following conclusion can be most accurately drawn from the above?

- (A) Remote work policies are universally beneficial for all companies and employees
- (B) The increase in productivity from remote work is solely due to employees' ability to create personalized work environments
- (C) Companies that implement remote work policies may need to address potential feelings of isolation among employees to maintain team cohesion
- (D) Traditional in-office work arrangements are more effective in promoting team communication and collaboration than remote work

Answer: (C) Companies that implement remote work policies may need to address potential feelings of isolation among employees to maintain team cohesion

Solution:

The conclusion that companies may need to address isolation among remote employees is supported by the study's findings about feelings of isolation and its impact on team cohesion.

Thus, the correct answer is Option (C).

 Quick Tip

Addressing emotional and social factors like isolation can help ensure the success of remote work policies.

Q.90 In education policy, the concept of inclusive education advocates for integrating students with disabilities into mainstream classrooms to promote diversity and equal opportunities. However, critics claim that focusing too much on inclusion can strain resources and may lead to a decline in educational quality for students both with and without disabilities.

Which of the following arguments would most strengthen the critics position?

- (A) Many parents prefer traditional classrooms for their children over inclusive settings
- (B) Schools often lack the resources needed to effectively implement inclusive education practices
- (C) The academic performance of students without disabilities is negatively impacted by inclusive classrooms
- (D) The academic performance of students with disabilities is negatively impacted by inclusive classrooms

Answer: (B) Schools often lack the resources needed to effectively implement inclusive

education practices

Solution:

The argument that schools lack resources to effectively implement inclusive education strengthens the critics' position, as it highlights a practical issue that could impact the quality of education for all students.

Thus, the correct answer is Option (B).

💡 Quick Tip

Resource allocation is crucial in education, and a lack of resources can undermine the goals of inclusive education.

Q.91 In business strategy, the concept of diversification involves expanding a company's operations into new markets or product lines to reduce risk and enhance growth potential. Though, diversification can lead to increased revenue streams and a more resilient business model, critics contend that diversification can dilute a company's core competencies and result in inefficiencies, ultimately harming overall performance.

Which of the following assumption would allow the above statements to be properly drawn?

- (A) Companies often face significant challenges when trying to manage multiple product lines effectively
- (B) Diversification strategies usually require little investment and resources
- (C) A strong focus on core competencies is essential for maintaining optimal output
- (D) Both a) and c) above

Answer: (D) Both a) and c) above

Solution:

For diversification to dilute core competencies and lead to inefficiencies, it is important to assume that managing multiple product lines is challenging (A) and that maintaining a strong focus on core competencies is essential (C). This assumption supports the argument that diversification could negatively impact performance.

Thus, the correct answer is Option (D).

 Quick Tip

Effective resource management and focus on core competencies are key to ensuring that diversification does not harm business performance.

Q.92 A recent survey of smartphone users revealed that 70% of respondents believe that data privacy is important. However, only 30% actively use privacy settings on their devices. The survey indicates that a major reason for this is that many users find privacy settings confusing and difficult to navigate.

Which of the following assumption would allow the above statements to be properly drawn?

- (A) The majority of smartphone users are not concerned about data privacy at all
- (B) Users who care about data privacy often do not have the technical skills to manage privacy settings
- (C) Most smartphone manufacturers do not provide sufficient information on privacy settings
- (D) Many users believe that their data is safe without needing to adjust privacy settings

Answer: (B) Users who care about data privacy often do not have the technical skills to manage privacy settings

Solution:

The assumption that users who care about data privacy lack the technical skills to manage privacy settings (B) explains why, despite a majority valuing privacy, only a smaller portion actively use the settings. This supports the survey findings.

Thus, the correct answer is Option (B).

 Quick Tip

Improving user education and simplifying privacy settings could enhance the adoption of privacy features.

Q.93 Statement: Urban gardening has gained traction in recent years as a way for city dwellers to grow their own food and improve their mental well-being. This movement was partly fueled by growing concerns about food deserts, environmental sustainability, and the desire for a connection to nature. However, critics argue that urban gardening often does not address the systemic issues of access to fresh food and can sometimes lead

to gentrification, where original community members are displaced as property values rise. Despite these criticisms, many individuals find personal fulfillment and community among fellow urban gardeners.

Conclusion:

I. Urban gardening can heighten food insecurity in cities.

II. Many individuals benefit emotionally and socially from participating in urban gardening.

III. Urban gardening can unintentionally contribute to the gentrification of neighborhoods, harming long-term residents.

Based on the above statement, which conclusion necessarily follows?

(A) Only I follows

(B) Only II follows

(C) Only III follows

(D) Both II and III follows

Answer: (D) Both II and III follows

Solution:

The statement acknowledges both the emotional and social benefits of urban gardening (II) and its potential role in gentrification, leading to displacement of residents (III). Both conclusions directly follow from the provided text.

Thus, the correct answer is Option (D).

 Quick Tip

Urban gardening has both positive impacts on individuals and communities, as well as potential drawbacks like gentrification.

Q.94 Statement: A fundamental principle of artificial intelligence (AI) development is to ensure that AI systems are designed with fairness and inclusivity in mind. Developers are expected to implement algorithms that do not discriminate against any demographic group, as bias in AI can lead to significant societal harm. Furthermore, transparency in how AI models make decisions is essential to building trust among users and stakeholders.

Conclusion:

I. It is inappropriate to criticize AI developers for biased outcomes if they have made efforts to promote fairness and transparency in their models.

II. AI developers must prioritize eliminating biases in their algorithms as a key objective.

Based on the above statement, which conclusion necessarily follows?

- (A) Only I follows
- (B) Only II follows
- (C) Both I and II follows
- (D) Neither I nor II follows

Answer: (B) Only II follows

Solution:

The statement emphasizes the importance of eliminating bias in AI systems, supporting conclusion II. Conclusion I, however, assumes no criticism is warranted if developers try to promote fairness, which does not necessarily follow.

Thus, the correct answer is Option (B).

 Quick Tip

Bias elimination is crucial to building trust and ensuring AI fairness.

Q.95 Statement: The discovery of electricity centuries ago led to profound changes in communication, transportation, and industry, significantly altering daily life and economic structures. It is also important to note that the rapid industrialization that followed was accompanied by notable environmental degradation, giving rise to early conservation movements that sought to protect natural resources. Some modern political movements propagate a narrative that portrays technological progress as inherently beneficial, often overlooking the environmental costs associated with it.

Conclusion:

I. Many political movements today ignore the environmental impacts of technological advancements.

II. It is not possible to have industrial progress without environmental degradation.

III. The discovery of electricity has had both positive and negative effects on society.

Based on the above statement, which conclusion necessarily follows?

- (A) Only I follows
- (B) Only II follows
- (C) Only III follows
- (D) Both I and III follows

Answer: (D) Both I and III follows

Solution:

Conclusion I follows because some political movements downplay the environmental impacts, and conclusion III follows because the statement acknowledges both the benefits and costs of electricity.

Thus, the correct answer is Option (D).

💡 Quick Tip

Technological progress can have both positive and negative consequences, including environmental impact.

Q.96 Statement: The invention of antibiotics in the early 20th century revolutionized healthcare by drastically reducing mortality rates from infectious diseases and enabling more complex surgeries. However, the overuse of antibiotics in recent decades has contributed to the rise of drug-resistant bacteria, posing new health risks. Simultaneously, public health policies have had to balance the benefits of antibiotic use with the dangers of resistance. Some modern pharmaceutical practices focus primarily on maximizing profits, often sidelining the long-term risks of resistance.

Conclusion:

I. Profit-driven motives always undermine public health priorities.

II. Overuse of antibiotics has resulted in significant health challenges.

III. Advances in healthcare can introduce unintended risks over time.

Based on the above statement, which conclusion necessarily follows?

(A) Only I follows

(B) Only II follows

(C) Both I and II follows

(D) Both II and III follows

Answer: (D) Both II and III follows

Solution:

Conclusion II follows because overuse of antibiotics is directly linked to the rise of drug-resistant bacteria. Conclusion III follows as the statement mentions that healthcare advancements can introduce unforeseen risks over time, such as antibiotic resistance.

Thus, the correct answer is Option (D).

 Quick Tip

Advances in healthcare can bring both positive outcomes and unintended long-term risks.

Q.97 Statement: The widespread adoption of social media services in the 21st century has transformed how people communicate, enabling instant global connections. However, this shift has also contributed to the spread of misinformation, impacting public trust and social cohesion. In response, some governments have introduced stricter regulations, but these efforts raise concerns about potential censorship and freedom of expression. Some activists argue that controlling misinformation through regulation is necessary, even at the expense of individual freedoms.

Conclusion:

I. The rise of social media services has both benefits and drawbacks for society.

II. Governments should prioritize freedom of expression over controlling misinformation.

III. Efforts to regulate misinformation come with complex trade-offs.

Based on the above statement, which conclusion necessarily follows?

(A) Only I follows

(B) Only III follows

(C) Both I and III follows

(D) Both II and III follows

Answer: (C) Both I and III follows

Solution:

Conclusion I follows because the statement acknowledges both the positive impact of social media (instant communication) and the negative impact (misinformation). Conclusion III follows because the statement highlights the trade-off between regulating misinformation and preserving individual freedoms.

Thus, the correct answer is Option (C).

 Quick Tip

Regulating social media presents complex challenges related to freedom and misinformation control.

Q.98 Statement: Sports competitions foster teamwork and discipline, providing athletes

with opportunities to develop skills and achieve personal goals. However, the rampant commercialization of sports has shifted the focus toward profit, sometimes leading to unethical practices such as match-fixing and doping. While some argue that strict regulations are needed to preserve the integrity of sports, others believe that over-regulation may hinder athletic performance and creativity. Striking the right balance between commercial interests and ethical standards remains a challenge.

Conclusion:

I. The commercialization of sports has led to unethical practices.

II. Stricter regulations are always beneficial for sports integrity.

III. There is a need for balance between commercial interests and ethical practices in sports.

Based on the above statement, which conclusion necessarily follows?

(A) Only I follows

(B) Both I and III follows

(C) Only III follows

(D) Both II and III follows

Answer: (C) Only III follows

Solution:

Conclusion III follows as the statement emphasizes the need to strike a balance between commercialization and ethical practices. Conclusion I is suggested but not necessarily guaranteed by the statement, and Conclusion II is not supported by the statement, which questions the benefits of strict regulations.

Thus, the correct answer is Option (C).

 Quick Tip

A balance between commercial interests and ethical standards is crucial for maintaining the integrity of sports.

Q.99 Statement: Culinary arts have evolved significantly over the years, with chefs increasingly focusing on sustainable and locally sourced ingredients. This shift has allowed for a resurgence of interest in traditional cooking techniques alongside modern innovations. However, some culinary purists argue that these trends threaten the authenticity of classic recipes, while others believe that the focus on sustainability enhances the overall dining experience. The debate about preserving culinary heritage versus embracing new practices continues among food enthusiasts.

Conclusion:

- I. The emphasis on sustainability has both benefits and challenges in the culinary world.
II. Traditional recipes will eventually become obsolete due to modern trends.
III. The culinary arts are enriched by the combination of tradition and innovation.
Based on the above statement, which conclusion necessarily follows?

- (A) Only I follows
(B) Only III follows
(C) Both II and III follows
(D) Both I and III follows

Answer: (D) Both I and III follows

Solution:

Conclusion I follows because the statement mentions both the benefits and challenges of sustainability in the culinary world. Conclusion III follows because it highlights how combining traditional and innovative approaches enriches the culinary arts. Thus, the correct answer is Option (D).

 Quick Tip

Sustainability and innovation in culinary arts offer both challenges and enriching opportunities.

Q.100 Statement: The rise of independent bookstores in recent years has sparked a renewed interest in reading and community engagement, offering curated selections that reflect local tastes and values. These bookstores often host events, such as author readings and book clubs, creating spaces for meaningful conversations and connections among readers. However, some critics argue that the increasing popularity of online retailers poses a significant threat to the survival of these independent stores, potentially leading to a homogenization of literary culture. Others believe that the unique experiences and personal touch offered by independent bookstores can sustain their relevance in a digital age.

Conclusion:

- I. Independent bookstores play a crucial role in fostering community and promoting local culture.
II. The unique experiences provided by independent bookstores can help them thrive despite digital competition.
III. Online retailers will inevitably lead to the decline of independent bookstores.
Based on the above statement, which conclusion necessarily follows?

- (A) Only I follows
- (B) Only III follows
- (C) Both I and II follows
- (D) Both II and III follows

Answer: (C) Both I and II follows

Solution:

Conclusion I follows because the statement highlights the role of independent bookstores in promoting local culture. Conclusion II follows because it suggests that independent bookstores' unique experiences can help them compete with online retailers. Conclusion III is not necessarily supported by the statement, which also suggests that independent bookstores can sustain relevance.

Thus, the correct answer is Option (C).

 Quick Tip

Independent bookstores thrive by offering unique, community-focused experiences.

Q.101 Statement: The rise of global tourism has significantly impacted local economies by providing job opportunities and boosting income for many communities. However, it has also led to challenges such as environmental degradation and cultural dilution, as traditional practices and lifestyles are altered to cater to tourists. As a result, many experts advocate for sustainable tourism practices that balance economic benefits with the preservation of local culture and the environment.

Conclusion:

- I. All communities benefit equally from the economic opportunities presented by global tourism.
 - II. Sustainable tourism practices are essential to minimize the negative impacts of tourism on local cultures and environments.
 - III. The rise of tourism has no significant negative effects on local communities.
- Based on the above statement, which conclusion necessarily follows?

- (A) Only I follows
- (B) Only II follows
- (C) Only III follows
- (D) Both I and II follows

Answer: (B) Only II follows

Solution:

Conclusion II follows because the statement emphasizes the need for sustainable tourism to balance the positive economic impacts with the preservation of culture and the environment. Conclusions I and III do not follow because the statement does not suggest that all communities benefit equally or that there are no negative impacts of tourism. Thus, the correct answer is Option (B).

 Quick Tip

Sustainable tourism practices are crucial to mitigate the negative impacts of tourism.

Q.102 BCXHADB T is written as 23681422 in a certain code. How is KTLVPTBA written in that code?

- (A) 22347221
- (B) 68563427
- (C) 22893221
- (D) 92675221

Answer: (A) 22347221

Solution:

The code is generated by assigning numerical values to letters according to their position in the alphabet. The letter values are then rearranged to form the final code. Using the same pattern, KTLVPTBA corresponds to 22347221. Thus, the correct answer is Option (A).

 Quick Tip

The code involves assigning numerical values based on the position of letters in the alphabet.

Q.103 Complete the following series: B, DEF, HIJKLMN, ?

- (A) PQRSTUVWXYZABCDEF
- (B) PQRSTUVWXYZAB
- (C) QQRSTUVWXYZABC
- (D) PQRSTUVWXYZABCD

Answer: (D) PQRSTUVWXYZABCD

Solution:

The series follows an increasing pattern of consecutive letters. The next set of letters in the series is "PQRSTUVWXYZABCD."

Thus, the correct answer is Option (D).

 Quick Tip

The series is increasing in the number of consecutive letters.

Q.104 Complete the following series: X2A, V6C, T12E, R20G, ?

- (A) O42H
- (B) P30I
- (C) P24J
- (D) P40I

Answer: (B) P30I

Solution:

The pattern involves the first letter decreasing by 2, the second value increasing by multiples of 4, and the third letter increasing by 2 positions in the alphabet.

Thus, the correct answer is Option (B).

 Quick Tip

Each element in the series follows a clear arithmetic pattern for each part.

Q.105 Complete the following series: A3B, C5E, G9H, M15K, ?

- (A) Q21N
- (B) P23N

(C) U23N

(D) U19L

Answer: (C) U23N

Solution:

The pattern follows an increasing sequence for the first and second letters (A, C, G, M, etc.), while the middle number increases by multiples of 4. The third letter follows a pattern based on the preceding letters.

Thus, the correct answer is Option (C).

 Quick Tip

Each element follows arithmetic and alphabetic patterns.

Q.106 Complete the following series: 2A, 4C, 8F, 16J, ?

(A) 32O

(B) 30N

(C) 30P

(D) 32P

Answer: (A) 32O

Solution:

The series follows a doubling pattern for the first number (2, 4, 8, 16, etc.), and the second letter increases alphabetically by positions.

Thus, the correct answer is Option (A).

 Quick Tip

The series follows a doubling pattern for the first number and alphabetical increments for the second.

Q.107 Complete the following series: 1A, 2B, 4D, 8H, ?

(A) 10H

(B) 16P

(C) 16I

(D) 14K

Answer: (B) 16P

Solution:

The pattern involves doubling the first number and the second letter increasing by a consistent number of positions in the alphabet.

Thus, the correct answer is Option (B).

 Quick Tip

The pattern involves doubling numbers and moving sequentially through the alphabet.

Q.108 Complete the following series: Z2, X5, U10, Q17, ?

(A) L26

(B) M25

(C) L25

(D) N23

Answer: (A) L26

Solution:

The pattern involves decreasing letters and increasing numbers in a consistent manner.

Thus, the correct answer is Option (A).

 Quick Tip

The series follows a consistent pattern of decreasing letters and increasing numbers.

Q.109 Complete the following series: 9, 19, 39, 79, ?

(A) 149

(B) 159

(C) 169

(D) 153

Answer: (B) 159

Solution:

The pattern involves doubling and adding 1.

Thus, the correct answer is Option (B).

 Quick Tip

The series involves a pattern of doubling and adding 1.

Q.110 All buildings constructed with EarthTech materials are energy efficient. Buildings that are energy efficient qualify for government tax rebates. None of the buildings constructed by Cloudline Developers are energy efficient. What necessarily follows if the above is true?

(A) Some buildings constructed by Cloudline Developers may qualify for government tax rebates

(B) All buildings that qualify for government tax rebates use EarthTech materials

(C) None of the buildings constructed by Cloudline Developers use EarthTech materials

(D) Some buildings constructed with EarthTech materials do not qualify for government tax rebates

Answer: (C) None of the buildings constructed by Cloudline Developers use EarthTech materials

Solution:

Since all buildings constructed with EarthTech materials are energy efficient and none of the buildings constructed by Cloudline Developers are energy efficient, it follows that none of Cloudline Developers' buildings use EarthTech materials.

Thus, the correct answer is Option (C).

 Quick Tip

If buildings aren't energy efficient, they can't use EarthTech materials.

Q.111 In recent years, research in nutrition and health has highlighted the importance of dietary habits in influencing physical well-being and preventing long-term diseases. Studies indicate that a balanced diet rich in fruits, vegetables, whole grains, and lean proteins is associated with lower rates of obesity, diabetes, and heart disease. Moreover, food choices are often shaped by factors such as socioeconomic status, availability of healthy food options, and cultural preferences, suggesting that environmental influences play a critical role in dietary habits.

If the paragraph above is true, which of the following statements is most contradicted by the paragraph?

- (A) Cultural influences can significantly impact the types of foods that people choose to eat
- (B) Genetic predispositions play a significant role in determining an individual's dietary preferences
- (C) Individuals from lower socioeconomic backgrounds may have limited access to healthy food options
- (D) Regular consumption of processed foods can lead to negative health outcomes

Answer: (B) Genetic predispositions play a significant role in determining an individual's dietary preferences

Solution:

The paragraph emphasizes environmental factors (socioeconomic status, availability of healthy food, cultural influences) in shaping dietary habits, rather than genetic predispositions. Hence, option (B) is contradicted.

Thus, the correct answer is Option (B).

 Quick Tip

Environmental factors play a significant role in determining dietary preferences.

Q.112 The field of psychology has increasingly recognized the role of emotional intelligence (EI) in personal and professional success. Research indicates that individuals with high EI are better equipped to manage stress, communicate effectively, and resolve conflicts. Furthermore, EI has been linked to improved leadership qualities and team dynamics. While cognitive intelligence (IQ) remains important, many experts argue that EI may be a better predictor of success in the workplace. However, the measurement of emotional intelligence can be subjective and varies across different cultural contexts.

Which of the following statements is the most inconsistent with the information provided in the paragraph above?

- (A) The influence of cognitive intelligence is diminishing in workplace success assessments
- (B) High emotional intelligence enhances skills in managing stress and resolving conflicts
- (C) Many experts believe emotional intelligence surpasses cognitive intelligence as a success predictor
- (D) The evaluation of emotional intelligence may vary significantly across different cultural environments

Answer: (A) The influence of cognitive intelligence is diminishing in workplace success assessments

Solution:

The passage mentions that cognitive intelligence (IQ) remains important, so option (A) is inconsistent with the information provided.

Thus, the correct answer is Option (A).

 Quick Tip

Cognitive intelligence (IQ) is still considered important, despite the emphasis on emotional intelligence (EI).

Q.113 Many students find that their study habits significantly impact their academic performance. Those who establish a consistent study schedule often report better retention of information and higher grades. Additionally, the use of active learning techniques, such as summarizing material and teaching concepts to peers, enhances understanding. However, some students struggle to find the right balance between studying and leisure activities, which can lead to stress and decreased productivity.

Based on the paragraph, which of the following statements would most reasonably complete the sentence below?

The variation in student performance suggests that

- (A) Some students prioritize leisure over studying, which negatively affects their grades
- (B) Consistent study routines are not always sufficient to guarantee academic success
- (C) Active learning techniques are universally effective for all students
- (D) A lack of balance between studying and leisure can create unnecessary stress for students

Answer: (B) Consistent study routines are not always sufficient to guarantee academic success

Solution:

The passage discusses how students with a consistent study routine tend to perform better, but some still struggle due to a lack of balance with leisure, indicating that a study routine alone may not guarantee success.

Thus, the correct answer is Option (B).

💡 Quick Tip

A balance between study routines and leisure is essential for academic success.

Q.114 Effective teamwork is crucial for project success in any organization. Research indicates that diverse teams, which include members with different backgrounds and skill sets, often produce more innovative solutions than homogeneous teams. However, team dynamics can be affected by conflict if not managed properly. Studies show that teams with effective conflict resolution strategies tend to achieve their goals faster and with higher satisfaction levels among team members. In organizations, it is essential to implement training programs that teach conflict resolution techniques to enhance team performance.

Which of the following can be inferred from the above passage?

- (A) Organizations should avoid forming diverse teams to reduce conflict
- (B) Homogeneous teams are always more effective than diverse teams
- (C) Conflict within teams is always detrimental to project outcomes
- (D) Training programs on conflict resolution can improve team dynamics

Answer: (D) Training programs on conflict resolution can improve team dynamics

Solution:

The passage emphasizes the importance of conflict resolution strategies and suggests that training programs in conflict resolution can enhance team performance.

Thus, the correct answer is Option (D).

💡 Quick Tip

Conflict resolution strategies can improve team dynamics and lead to better outcomes.

Q.115 All mobile phones with advanced camera features are popular among social media influencers. Mobile phones that are popular among social media influencers often have high storage capacity. None of the mobile phones manufactured by Brand B have advanced camera features.

Which of the following necessarily follows if the above is true?

- (A) All mobile phones that are popular among social media influencers have high storage capacity
- (B) Mobile phones manufactured by Brand B are popular among social media influencers
- (C) None of the mobile phones manufactured by Brand B are popular among social media influencers
- (D) All mobile phones with high storage capacity also have advanced camera features

Answer: (C) None of the mobile phones manufactured by Brand B are popular among social media influencers

Solution:

Since Brand B's phones do not have advanced camera features, and phones with advanced cameras are popular among social media influencers, it follows that Brand B's phones are not popular among social media influencers.

Thus, the correct answer is Option (C).

 Quick Tip

Mobile phones without advanced camera features cannot be popular among social media influencers.

Q.116 The study of ancient civilisations reveals much about human history and cultural development. Archaeological findings indicate that societies that engaged in trade and cultural exchange often experienced advancements in art, architecture, and technology. For instance, the exchange of ideas and goods between the Egyptians and Mesopotamians led to significant innovations in farming and engineering. However, some civilisations that isolated themselves from others faced stagnation in cultural and technological progress. Which of the following can be inferred from the above passage?

- (A) Isolation leads to greater cultural advancements than interaction with others
- (B) All ancient civilisations experienced the same level of development regardless of their interactions
- (C) Trade and cultural exchange can be key drivers of societal progress

(D) Art and architecture have no relationship to the progress of technology in ancient societies

Answer: (C) Trade and cultural exchange can be key drivers of societal progress

Solution:

The passage highlights that civilizations engaged in trade and cultural exchange advanced in art, architecture, and technology, suggesting that such exchange drives progress. Thus, the correct answer is Option (C).

 Quick Tip

Trade and cultural exchange drive advancements in art, architecture, and technology.

Q.117 The exploration of space has captivated humanity for decades, sparking advancements in various scientific fields. Astronomers have discovered numerous celestial bodies, expanding our understanding of the universe and our place within it. Additionally, space missions have led to significant developments in technology, such as satellite communications and materials science. While the costs of space exploration can be high, the potential benefits, including inspiring future generations and fostering international collaboration, are profound.

Which of the following can be inferred from the above passage?

- (A) The financial costs of space exploration can sometimes outweigh its benefits
- (B) Space exploration primarily serves scientific communities more than society in general
- (C) Technological advancements resulting from space missions are limited to astronomy
- (D) The potential benefits of space exploration include inspiring future generations and promoting global cooperation

Answer: (D) The potential benefits of space exploration include inspiring future generations and promoting global cooperation

Solution:

The passage mentions the profound benefits of space exploration, including inspiring future generations and fostering international collaboration. Thus, the correct answer is Option (D).

 Quick Tip

Space exploration benefits society through inspiration and fostering global cooperation.

Q.118 Art has long served as a powerful means of expression and communication. Throughout history, artists have utilised various mediums—such as painting, sculpture, and music—to convey their thoughts, emotions, and critiques of society. Many art movements have emerged in response to cultural and political changes, highlighting the dynamic relationship between art and the world around it. Additionally, exposure to diverse forms of art can enhance creativity and foster empathy among individuals, making it a vital aspect of human experience.

Which of the following can be inferred from the above passage?

- (A) Art only serves to reflect societal norms and values
- (B) Exposure to diverse art forms can enhance creativity and promote empathy
- (C) Engaging with different art forms has limited impact on individual creativity
- (D) The relationship between art and societal changes is static and unchanging

Answer: (B) Exposure to diverse art forms can enhance creativity and promote empathy

Solution:

The passage states that exposure to diverse art forms enhances creativity and fosters empathy, making option (B) the correct choice.

Thus, the correct answer is Option (B).

 Quick Tip

Exposure to diverse art forms can enhance both creativity and empathy.

Q.119 Select the correct option:

If Tree : forest then

- (A) Bee : honey
- (B) Star : galaxy
- (C) Door : cabinet
- (D) Book : knowledge

Answer: (B) Star : galaxy

Solution:

The relationship between "Tree" and "forest" is that a forest consists of trees. Similarly, a galaxy consists of stars.

Thus, the correct answer is Option (B).

 Quick Tip

A forest consists of trees, just as a galaxy consists of stars.

Q.120 Select the correct option:

If Lotus : water then

(A) Toe : feet

(B) Tea : beverage

(C) Grasshopper : insect

(D) Lice : hair

Answer: (D) Lice : hair

Solution:

The relationship between "Lotus" and "water" is that the lotus grows in water. Similarly, lice are commonly found in hair.

Thus, the correct answer is Option (D).

 Quick Tip

Lice are commonly found in hair, just as lotus grows in water.

Q.121 Select the correct option:

If Cheese : milk then

Answer: (a) Omelette : eggs (a)Omelette:eggs(b)Coffee:sugar(c)Bread:rice(d)Rice:farm

Solution:

Cheese is derived from milk, just as an omelette is made from eggs. The correct relationship is between a product and its ingredient.

Thus, the correct answer is Option (A).

 Quick Tip

Remember that the relationship between items in analogy questions is key. Look for connections like ingredients to products or tools to their uses.

Q.122 Select the correct option:

If Cement : buildings then ---

- (a) Wood : fire
- (b) Clay : pots
- (c) Gas : food
- (d) Soil : crops

Answer: (b) Clay : pots

Solution:

Cement is used to construct buildings, just as clay is used to make pots. This shows the relationship between a material and the object it creates.

Thus, the correct answer is Option (B).

 Quick Tip

Focus on the material-object relationship in analogies, where one is used to create or build the other.

Q.123 Select the correct option:

If Photographer : camera then ---

- (a) Carpenter : sofa
- (b) Chef : food
- (c) Painter : brush
- (d) Doctor : hospital

Answer: (c) Painter : brush

Solution:

A photographer uses a camera, just as a painter uses a brush. The correct relationship is between a professional and the tool they use.

Thus, the correct answer is Option (C).

 Quick Tip

In profession-based analogies, think about the primary tool or instrument the professional uses for their work.

Q.124 Select the correct option:

If Familiar : strange then ---

- (a) Warm : hot
- (b) Careful : careless
- (c) Sturdy : muscular
- (d) Intelligent : emotional

Answer: (b) Careful : careless

Solution:

Familiar is the opposite of strange, just as careful is the opposite of careless. This shows a relationship of antonyms.

Thus, the correct answer is Option (B).

 Quick Tip

Antonym relationships are often tested in analogy questions, so look for opposite meanings between the given words.

Q.125 A company, GreenFuel, argues that its new biofuel product is entirely eco-friendly because it is made from renewable resources. GreenFuel claims that since the product is derived from organic matter, it has zero negative impact on the environment.

Which of the following, if true, most weakens GreenFuel's argument above?

- (a) The process of producing the biofuel emits significant greenhouse gases due to the energy required for extraction and processing
- (b) Although the biofuel is renewable, its widespread cultivation leads to deforestation and the destruction of natural habitats
- (c) Production of biofuel is significantly more costly than extraction of fuel from non-renewable sources
- (d) Both a) and b) above

Answer: (d) Both a) and b) above

Solution:

Both (a) and (b) weaken GreenFuel's argument by showing that the production process and the cultivation of biofuel lead to environmental harm, contradicting the claim that the product has zero negative impact.

Thus, the correct answer is Option (D).

💡 Quick Tip

Always evaluate all aspects of a claim, including side effects and unintended consequences, to challenge the argument.

Q.126 Advocates for early coding education argue that teaching programming skills to children from a young age will enhance their problem-solving abilities and prepare them for a technology-driven future. Therefore, coding should be introduced as a mandatory subject in elementary schools.

Which of the following, if true, most strengthens the argument above?

- (a) Coding languages evolve slowly, and therefore what is taught today is likely to remain relevant in future as well
- (b) Many successful programmers learned coding only in their adulthood and excelled without early exposure
- (c) Children are fast learners and likely understand coding languages easily
- (d) Early exposure to problem-solving techniques enhances cognitive development in children

Answer: (d) Early exposure to problem-solving techniques enhances cognitive development in children

Solution:

Option (d) strengthens the argument by linking early coding education to cognitive benefits, further supporting the claim that coding should be introduced early for children's development.

Thus, the correct answer is Option (D).

💡 Quick Tip

When strengthening an argument, look for facts that support the direct benefits of the proposed action, such as cognitive or developmental advantages.

Q.127 Recent research indicates that excessive consumption of processed foods is linked

to an increased risk of obesity. A five-year study tracked two groups: one that regularly consumed processed foods and another that followed a whole-foods-based diet. The study found that the processed-food group had a 25% higher rate of obesity by the end of the study. Therefore, the study concluded that processed food consumption directly causes obesity.

Which of the following, if true, most strengthens the argument above?

- (a) Some participants in the whole-foods group occasionally consumed small amounts of processed foods
- (b) Both groups were matched for physical activity levels, age, and overall caloric intake during the study period
- (c) Other studies have shown that regular exercise reduces the risk of obesity, regardless of diet
- (d) Processed foods are often high in sugars and unhealthy fats, which contribute to weight gain

Answer: (b) Both groups were matched for physical activity levels, age, and overall caloric intake during the study period

Solution:

Option (b) strengthens the argument because it shows that the only difference between the two groups was their diet, ruling out other factors like physical activity or caloric intake that might have contributed to the higher obesity rate in the processed-food group.

Thus, the correct answer is Option (B).

 Quick Tip

Look for evidence that isolates the variable being studied, ensuring that other factors do not influence the results. This strengthens the argument's validity.

Q.128 Prakash has been working as a software engineer at Company A for 10 years. Recently, he discovered that a new hire, who has less experience and fewer qualifications, is being paid more than him. Prakash approached his manager with this concern and was told that the new hire's pay is based on market demand for talent in that particular programming language. Prakash believes he is being treated unfairly based on his seniority and qualifications.

Which of the following, if true, most strengthens Prakash's claim of unfair treatment?

- (a) The new hire was offered a higher salary to meet the industry standard for that particular programming language
- (b) Prakash has consistently taken on high-responsibility projects and delivered strong results throughout his tenure at Company A

- (c) Prakash and the new hire obtained their basic and advanced degrees from the same institution
- (d) Both (a) and (b) above

Answer: (b) Prakash has consistently taken on high-responsibility projects and delivered strong results throughout his tenure at Company A

Solution:

Option (b) strengthens Prakash's claim because it highlights his long-standing contributions and strong performance, which he believes should be reflected in his salary, especially in comparison to the new hire.

Thus, the correct answer is Option (B).

 Quick Tip

Strengthen claims of unfair treatment by emphasizing contributions or performance that justify higher compensation, especially when compared to newer employees.

Q.129 Sarab and her brother Sateesh have been sharing household chores for several years. Recently, Sarab noticed that Sateesh consistently gets lighter tasks, such as taking out the trash, while she is assigned more time-consuming duties, like cooking and cleaning the entire house. When Sarab brought this up to their parents, they explained that Sateesh is assigned tasks based on his school workload and extracurricular activities, which are more demanding than Sarab's. Sarab believes she is being treated unfairly and that the division of chores is biased.

Which of the following, if true, most strengthens Sarab's claim of unfair treatment?

- (a) Sarab is involved in several extracurricular activities and has an equally demanding schedule as Sateesh
- (b) Sateesh volunteered to help Sarab with her chores on several occasions but has rarely been assigned the more time-consuming tasks himself
- (c) Sateesh voluntarily took on additional extracurricular activities, which were not mandatory part of the school work
- (d) Sarab's parents often help her in completion of household chores

Answer: (a) Sarab is involved in several extracurricular activities and has an equally demanding schedule as Sateesh

Solution:

Option (a) strengthens Sarab's claim because it shows that her extracurricular workload

is just as demanding as Sateesh's, suggesting that the division of chores is not based on an equitable assessment of their responsibilities.

Thus, the correct answer is Option (A).

 Quick Tip

When arguing unfair treatment, demonstrate that both parties have similar responsibilities and workloads to highlight an unequal distribution of tasks.

Q.130 An enterprise has the responsibility to ensure the safety of its products before selling them to the public. While no product can be entirely risk-free, if an enterprise knows that a product has significant defects that could harm consumers, it is their duty to either fix those defects or provide clear warnings. Unfortunately, some enterprises prioritize profits over safety and release products that may pose serious risks to the public. Which of the statements below is most consistent with the paragraph above?

- (a) Consumers are solely responsible for assessing the risks of the products they buy
- (b) It is acceptable for enterprises to release potentially harmful products if the risk of harm is low
- (c) Enterprises should always prioritize consumer safety over profit, even if it affects their financial performance
- (d) Enterprises have no obligation to warn consumers about every possible risk, only significant defects

Answer: (d) Enterprises have no obligation to warn consumers about every possible risk, only significant defects

Solution:

Option (d) aligns with the paragraph's stance on enterprise responsibility. It emphasizes that enterprises must address significant risks but are not required to warn about every minor risk.

Thus, the correct answer is Option (D).

 Quick Tip

In responsibility-based questions, focus on the balance between safety and risk. Understand the obligations enterprises have to consumers regarding significant defects or dangers.

Q.131 A wildfire has broken out in a large national park, spreading quickly due to dry conditions and strong winds. The forest officers only have a limited amount of firefighting

resources, including helicopters, water trucks, and personnel. They must decide where to allocate these resources to save as much of the park as possible. To maximize their efforts, they prioritise the areas of the park that are home to endangered species and ecosystems that would be the hardest to recover if destroyed by the fire.

Which of the following most mirrors the principle in the passage above?

I. A university offers a limited number of scholarships each year. To ensure the best use of its funds, it prioritizes applicants from underprivileged backgrounds and those with academic potential, believing this will have the most significant long-term impact on the community.

II. A charitable foundation receives an influx of donations for disaster relief. In distributing the funds, it focuses on the hardest-hit communities where homes were completely destroyed, providing them with emergency shelter and rebuilding services before addressing other needs.

III. A large grocery store faces a major food supply shortage due to transportation issues. To minimize the impact on customers, the store decides to limit the sale of high-demand items like milk, bread, and meat, allowing each shopper to purchase only a small amount to ensure everyone can get basic supplies.

Answer: (a) Only I

Solution:

The principle in the passage suggests prioritizing areas that need the most protection or assistance. Options I and II mirror this principle, as both prioritize limited resources for the areas that will have the most significant long-term impact. However, Option III focuses on short-term supply management, not long-term impact, and is thus not aligned with the principle.

Thus, the correct answer is Option (A).

 Quick Tip

When analyzing prioritization decisions, focus on the long-term impact and strategic allocation of limited resources.

Q.132 Where public safety or the protection of human life is at stake, it is justified to limit personal freedoms and privacy in order to ensure the well-being of the broader public.

Based on the above principle, which of the following actions would be justified?

(a) Pinto, a public health official, enforced a temporary closure of all schools during a severe flu outbreak to prevent the spread of the virus among students, despite protests from parents.

(b) Laila, a private company CEO, ordered the installation of surveillance cameras inside employee restrooms to prevent theft in the workplace, arguing it would protect company assets.

- (c) Sanju, a police officer, initiated random searches of people's homes without a warrant, arguing that it was necessary to prevent potential burglaries in the neighborhood.
- (d) Sarita, a local politician, proposed limiting internet access in her town to prevent residents from accessing certain websites, claiming it would improve public morality and safety.

Answer: (a) Pinto, a public health official, enforced a temporary closure of all schools during a severe flu outbreak to prevent the spread of the virus among students, despite protests from parents.

Solution:

Option (a) directly aligns with the principle of limiting personal freedoms for public safety. The flu outbreak poses a public health risk, and closing schools is a measure to prevent further harm.

Thus, the correct answer is Option (A).

 Quick Tip

When evaluating justifications for limiting freedoms, prioritize actions that directly protect public health or safety.

Q.133 The rapid advancement of technology has significantly changed the way people interact with one another. While technology facilitates communication and connects people across distances, it can also lead to feelings of isolation and disconnection in face-to-face relationships. Many individuals find that they are more comfortable sharing their thoughts and feelings online rather than in person, which can diminish the quality of their real-world interactions.

Based on the above passage, which conclusion necessarily follows?

- (a) Technology has completely replaced the need for in-person communication.
- (b) People prefer online interactions over face-to-face conversations.
- (c) While technology can enhance connections, it may also hinder personal relationships.
- (d) All of the above.

Answer: (c) While technology can enhance connections, it may also hinder personal relationships.

Solution:

The passage discusses how technology can both connect people and lead to isolation. Thus, Option (c) is the most accurate conclusion, recognizing both the positive and negative effects of technology on relationships.

Thus, the correct answer is Option (C).

 Quick Tip

Consider both the positive and negative effects of technology, especially in the context of human relationships.

Q.134 Principle: The impact of leadership styles on historical events can shape the course of nations and influence the outcomes of conflicts.

Facts: During the late 20th century, two prominent leaders emerged during a territorial dispute: X advocated for peaceful negotiations and diplomacy, while Y supported aggressive military action to assert dominance. After a series of failed internal talks, Y's approach led to a major conflict, resulting in significant casualties and territorial loss for both sides. In contrast, X's proposed solution, although initially rejected, eventually gained support and led to de-escalation of the conflict.

Based on the above, which of the following statements is most accurate?

- (a) Y's aggressive strategy ultimately resulted in a favourable outcome for his side.
- (b) X's diplomatic approach was ineffective since it did not prevent the conflict from escalating.
- (c) The historical context suggests that both X and Y acted correctly based on the circumstances they faced.
- (d) The eventual support for X's solution highlights the importance of diplomacy in conflict resolution.

Answer: (d) The eventual support for X's solution highlights the importance of diplomacy in conflict resolution.

Solution:

The passage suggests that X's diplomatic approach was effective in the long run, despite initial setbacks. Therefore, Option (d) best reflects the principle that diplomacy can lead to conflict resolution.

Thus, the correct answer is Option (D).

 Quick Tip

In conflict situations, evaluate the effectiveness of diplomacy and peaceful negotiation, especially in de-escalating long-term disputes.

Q.135 Principle: A property owner is responsible for maintaining the safety of their premises and is liable for any injuries that occur due to hazardous conditions in the premises, unless the injured party was trespassing.

Facts: Tara owns a retail store, and a heavy rainstorm caused a leak in the ceiling of the store. Tara was aware of the leak but did not have time to fix it before customers arrived

the next morning. She placed a sign warning customers of the wet floor. However, Aman, who entered the store to browse, slipped on the wet floor and injured his leg. Aman did not see the warning sign.

Based on the above, which of the following statements is most accurate?

- (a) Tara is liable for Aman's injury since the wet floor was a hazardous condition.
- (b) Tara is not liable because she placed a warning sign, informing customers of the hazard.
- (c) Aman is not entitled to compensation because he failed to notice the sign.
- (d) Tara is not liable since the injury occurred due to a natural event beyond her control.

Answer: (a) Tara is liable for Aman's injury since the wet floor was a hazardous condition.

Solution:

Although Tara placed a warning sign, the wet floor was still a hazardous condition on her premises. The fact that Aman did not notice the sign does not absolve Tara from liability, as she is responsible for maintaining safe conditions and for ensuring that hazards are clearly communicated. The sign alone does not negate her responsibility to ensure safety. Thus, the correct answer is Option (A).

 Quick Tip

When a property owner is aware of a hazard, they are responsible for taking adequate measures to prevent accidents, even if warnings are provided.

Q.136 Principle: A party to a contract is responsible for fulfilling their obligations under the agreement and is liable for damages if they fail to do so.

Facts: Richa enters into a contract with a catering company, Big Bites, to provide catering services for her wedding reception. The contract specifies that Big Bites will provide food for 125 guests on a specific date. On the day of the event, Big Bites only delivers food for 75 guests due to road closure on account of VIP movement. Richa is forced to make last-minute alternate arrangements to feed the additional guests, incurring extra costs.

Select the most appropriate option:

- (a) Richa can recover costs incurred to make alternate arrangements from Big Bites.
- (b) Richa is not required to pay any amount to Big Bites since the contract was not fulfilled.
- (c) Richa is entitled to recover damages since Big Bites failed to deliver the agreed-upon amount of food.
- (d) There is insufficient information to decide.

Answer: (c) Richa is entitled to recover damages since Big Bites failed to deliver the agreed-upon amount of food.

Solution:

Big Bites did not fulfill the contract by delivering food for fewer guests, which directly resulted in Richa incurring additional costs. Therefore, Richa is entitled to recover damages.

Thus, the correct answer is Option (C).

💡 Quick Tip

When evaluating contract disputes, always consider the failure to meet agreed-upon terms and the resulting damages.

Q.137 Principle: A party who receives a benefit at the expense of another party is required to make restitution to prevent unjust enrichment.

Facts: Anita hires a construction company, Best Builders, to renovate her swimming pool. The contract states that Best Builders will install new water purifiers for a total cost of INR 10,000. During the renovation, Best Builders installs high-end purifiers worth INR 15,000 instead of the standard ones specified in the contract. When the project is completed, Anita enjoys the upgraded purifiers but only pays the agreed-upon amount of INR 10,000.

Select the most appropriate option:

- (a) Best Builders is entitled to receive the full value of the purifiers, INR 15,000, since Anita is using the purifier.
- (b) Anita can keep the purifiers and is entitled to a refund of INR 10,000, since the purifiers installed by Best Builders are not as agreed under the original contract.
- (c) Anita can keep the purifiers without paying any additional amount since they were not part of the original contract.
- (d) None of the above.

Answer: (a) Best Builders is entitled to receive the full value of the purifiers, INR 15,000, since Anita is using the purifier.

Solution:

Since Anita is enjoying the benefit of the upgraded purifiers, she is obligated to pay the full value of INR 15,000 to prevent unjust enrichment.

Thus, the correct answer is Option (A).

💡 Quick Tip

In cases of unjust enrichment, ensure that the party receiving the benefit compensates the other party for the actual value of the benefit received.

Q.138 Principle: The opportunity cost of a decision is the value of the next best alternative that is forgone when a choice is made.

Facts: Shyam is an aspiring artist who has a chance to exhibit his paintings at a local gallery for two months. He can either take this opportunity, which would allow him to showcase his work and potentially sell pieces for a total profit of INR 50,000, or he can accept a temporary job offer for the same duration of two months, that would earn him INR 30,000 in total. After careful consideration, Shyam decides to exhibit his paintings at the gallery.

Which of the following statements is true regarding Shyam's decision?

- (a) Shyam's opportunity cost for choosing to exhibit his paintings is INR 50,000, as that was the profit he could have earned from the gallery.
- (b) By choosing to exhibit his paintings, Shyam has no opportunity cost since he is pursuing his passion.
- (c) Shyam's decision to exhibit his paintings resulted in a net gain of INR 20,000 in opportunity cost.
- (d) Shyam's opportunity cost for choosing to exhibit his paintings is INR 30,000, as that was the amount he could have earned from the temporary job.

Answer: (d) Shyam's opportunity cost for choosing to exhibit his paintings is INR 30,000, as that was the amount he could have earned from the temporary job.

Solution:

The opportunity cost of Shyam choosing to exhibit his paintings is the INR 30,000 he gave up by not taking the temporary job.

Thus, the correct answer is Option (D).

 Quick Tip

When calculating opportunity cost, consider the value of the next best alternative that is sacrificed.

Q.139 Principle: Confirmation bias is the tendency to search for, interpret, and remember information in a way that confirms one's pre-existing beliefs.

Facts: Mala is an avid believer in the benefits of a plant-based diet and often shares articles and studies that support her view on social media. When she comes across a scientific study that suggests a balanced omnivorous diet can also provide significant health benefits, she dismisses it without reading, focusing instead on the findings of studies that align with her beliefs.

Which of the following statements is true regarding Mala's behaviour?

- (a) Mala is exhibiting confirmation bias by ignoring evidence that contradicts her views.
- (b) Mala is making a rational decision by focusing on information that supports her beliefs.
- (c) Mala should only trust information that aligns with her beliefs to ensure consistency

in her opinions.

(d) Mala's behaviour is beneficial because it strengthens her knowledge of plant-based diets.

Answer: (a) Mala is exhibiting confirmation bias by ignoring evidence that contradicts her views.

Solution:

Mala's behaviour is a clear example of confirmation bias, where she disregards information that challenges her existing beliefs and only pays attention to confirming evidence. Thus, the correct answer is Option (A).

 Quick Tip

Be aware of confirmation bias in decision-making, as it can lead to a skewed understanding of information.

Q.140 Principle: The Dunning-Kruger effect is a cognitive bias wherein individuals with low ability at a task overestimate their ability, while those with high ability may underestimate their competence.

Facts: Tutu, a new employee at a tech company, recently completed a basic coding course. Feeling confident, she frequently shares her opinions about software development with her colleagues, often dismissing their suggestions as unnecessary. Meanwhile, Saba, a senior developer with years of experience, is careful about her own ideas and often second-guesses her suggestions during team meetings.

Which of the following statements is true regarding Tutu and Saba's behaviours?

- (a) Tutu alone is exhibiting the Dunning-Kruger effect.
- (b) Saba alone is exhibiting the Dunning-Kruger effect.
- (c) Both Tutu and Saba are demonstrating the Dunning-Kruger effect.
- (d) Neither Tutu nor Saba are demonstrating the Dunning-Kruger effect.

Answer: (a) Tutu alone is exhibiting the Dunning-Kruger effect.

Solution:

Tutu overestimates her ability, which is a key characteristic of the Dunning-Kruger effect. Saba, on the other hand, exhibits the opposite behavior of underestimating her abilities, which does not fit the definition of the effect.

Thus, the correct answer is Option (A).

 Quick Tip

The Dunning-Kruger effect is most noticeable when individuals with low competence overestimate their ability.

Q.141 Principle: Any person who publishes false statements that result in significant financial losses to a business shall be guilty of an offense.

Facts: Jatin publishes a news article claiming that a popular restaurant has been serving unsafe food. Jatin sincerely believes this to be true. The restaurant suffers significant financial losses as a result. However, it is later revealed that the statements in Jatin's article were false.

Has Jatin committed an offence?

- (a) Yes, because he published false statements that caused financial losses, and his intention or knowledge is immaterial.
- (b) No, because he was unaware of the consequences.
- (c) Yes, if it can be proven that his false statements directly led to financial losses.
- (d) There is insufficient information to decide.

Answer: (a) Yes, because he published false statements that caused financial losses, and his intention or knowledge is immaterial.

Solution:

The principle makes it clear that the focus is on the publication of false statements leading to financial losses, regardless of the individual's intention or knowledge. Therefore, Jatin has committed an offense.

 Quick Tip

In legal contexts, liability for defamation or false reporting often does not depend on intent but on the consequences of the action.

Q.142 A ban on cell phones in schools is necessary as it distracts students from their academics, it is unnecessary as in an emergency the school landlines can be used. A break from social media during the school day would remove the stress and help students build their concentration and enhance their learning.

What is the assumption being made about cell phones?

- (a) That cell phones are harmful to students and their ability to focus and remain stress free.
- (b) That cell phones can be replaced by landlines in an emergency.
- (c) A break from cell phones is necessary to build concentration.
- (d) Cell phones are necessary for learning.

Answer: (a) That cell phones are harmful to students and their ability to focus and remain stress free.

Solution:

The argument centers around the negative impact of cell phones on concentration and stress. The assumption made is that removing or banning them would benefit students by helping them focus more on academics.

 Quick Tip

Assumptions are underlying beliefs or ideas that must hold true for an argument to be valid. In this case, it assumes that phones are detrimental to focus and reduce stress.

Q.143 Caroline Hoxby has produced a large body of research looking at college applications by low-income students. In “The Missing One-Offs,” she and Christopher Avery showed that students with high grades and low economic standing often refrain from applying to more prestigious schools, despite those schools’ better financial support. Their research suggests that students who avoid selective schools are usually choosing to apply to the same schools their friends and economic peers do. Hoxby and Avery conclude that this is either a consequence of their being underinformed about their options (a fault of recruitment) or believing that the culture and atmosphere of prestigious colleges wouldn’t be very inviting to them (a fault of the schools and their PR).

Which of the following can be properly inferred from the passage?

- (a) Low-Income Students refrain from applying to prestigious schools, because they are underinformed or they are intimidated by the culture of prestigious colleges.
- (b) Low-Income Students refrain from applying to prestigious schools, because they are more influenced by peer pressure to conform to certain choices.
- (c) Low-Income Students refrain from applying to prestigious schools, because they are influenced by the public relations.
- (d) Low-Income Students refrain from applying to prestigious schools, because they are repelled by the culture of prestigious colleges.

Answer: (a) Low-Income Students refrain from applying to prestigious schools, because they are underinformed or they are intimidated by the culture of prestigious colleges.

Solution:

The passage identifies two main reasons for low-income students avoiding prestigious schools: lack of information (underinformed) and the perception that the culture of these schools is unwelcoming. Both are presented as plausible causes.

 Quick Tip

Inferences are conclusions drawn from the facts presented in the passage. Here, the inferences relate to the reasons why students avoid prestigious schools.

Q.144 University Academic Department is finalizing class schedules for the incoming batch. The subjects are Criminal Law, Property Law, Economics, Legal Methods, and English. The following considerations are kept in mind:

- I. All subjects must be held once
- II. Legal Methods and English cannot immediately precede or follow each other
- III. Economics must immediately precede Property Law
- IV. Economics must immediately follow English
- V. Criminal Law cannot be the second or the last subject

Which of the following schedule is valid?

- (a) Legal Methods, Criminal Law, English, Economics, Property Law
- (b) Property Law, Economics, English, Criminal Law, Legal Methods
- (c) Economics, Property Law, Legal Methods, English, Criminal Law
- (d) Criminal Law, English, Economics, Property Law, Legal Methods

Answer: (d) Criminal Law, English, Economics, Property Law, Legal Methods

Solution:

The schedule that meets all conditions is (d). It ensures that: - Economics follows English and precedes Property Law (Condition III IV), - Criminal Law is not second or last (Condition V), - Legal Methods and English are not adjacent (Condition II).

 Quick Tip

When solving such problems, it's crucial to verify that all conditions are met in the proposed solution.

Q.145 Vinay is trying to decide the sequence in which to watch the following movies – Sholay (SH), RRR, Slumdog Millionaire (SM), PK, and Dangal (DL). The sequence must adhere to the following conditions:

- I. SH and DL must not immediately precede or follow each other.
- II. RRR must go after SM.
- III. PK cannot be the first or the last movie.
- IV. DL must necessarily be one removed from SM.

Which of the following is a valid sequence?

- (a) SH, RRR, PK, DL, SM
- (b) PK, DL, RRR, SM, SH

- (c) DL, SM, PK, RRR, SH
(d) DL, PK, SM, RRR, SH

Answer: (c) DL, SM, PK, RRR, SH

Solution:

The sequence that meets all conditions is (c). It satisfies the following: - SH and DL are not adjacent (Condition I), - RRR follows SM (Condition II), - PK is not first or last (Condition III), - DL is one removed from SM (Condition IV).

 Quick Tip

When working with sequences, systematically check each condition step-by-step to ensure that all criteria are satisfied.

Q.146 Sanjana is attempting to create an exercise plan for a 5-day week. She has decided on the following exercises – A, X, B, Y, C, in accordance with the following conditions.

- I. A and Y cannot be on the consecutive days.
II. C must always be followed by B.
III. B and A cannot be done on alternate days.
IV. X cannot be done on the first day of the week.
V. No exercise can be repeated in the week.

Which of the following is a valid plan?

- (a) A, Y, B, C, X
(b) Y, C, B, X, A
(c) Y, C, B, A, X
(d) X, C, B, A, Y

Answer: (a) A, Y, B, C, X

Solution:

The valid plan that satisfies all the conditions is (a). It meets the following criteria: - A and Y are not on consecutive days (Condition I), - C is followed by B (Condition II), - B and A are not on alternate days (Condition III), - X is not on the first day (Condition IV), - No exercise is repeated (Condition V).

 Quick Tip

When solving scheduling problems, break down the conditions one by one to ensure that no rules are violated. This approach helps you logically eliminate invalid options.

Q.147 All Rabbits are Sleepers. All Tortoise paints. Some Rabbits are Tortoise. Siri is a Rabbit. Examine the following statements:

- I. Siri paints
- II. Siri does not paint
- III. Siri is a Sleeper
- IV. Siri is not a Sleeper
- V. Siri is a Tortoise
- VI. Siri is not a Tortoise

Choose the most appropriate answer:

- (a) Only III
- (b) Only V
- (c) Only I, IV, VI
- (d) Only II, III, VI

Answer: (a) Only III

Solution:

- From the facts, we know that all Rabbits are Sleepers. Since Siri is a Rabbit, Siri must be a Sleeper (III). - We do not have sufficient information to conclude that Siri is a Tortoise or not, so (V) and (VI) are uncertain.

 Quick Tip

In syllogism-based reasoning questions, focus on the universal statements and use the process of elimination to identify the correct conclusion.

Q.148 All Cherry are Pink. Some Pink are made into cake. All cake is eaten. Banana is Pink. Examine the following statements:

- I. Banana is a Cherry
- II. Banana is not a Cherry
- III. Banana may be made into cake
- IV. Banana will definitely be made into a cake
- V. If Banana is Cherry, then it will be eaten

Choose the most appropriate answer:

- (a) Only III
- (b) Only II and III
- (c) Only IV and V
- (d) Only V

Answer: (c) Only IV and V

Solution:

- We know that all cake is eaten, so if Banana is made into cake, it will be eaten (V). - Banana may or may not be made into a cake, but it could be, as some Pink are made into cake (III). - We cannot say for certain that Banana will definitely be made into cake (IV), but if it were, it would be eaten.

💡 Quick Tip

For logic puzzles involving sets, carefully assess the relationship between statements and look for clues in universal assertions (like "All" or "Some").

Q.149 Assertion: The rise of OTT platforms is challenging the traditional movie theatre business.

Argument 1: OTT platforms and traditional movie theatres present completely different experiences and therefore are unlikely to affect each other.

Argument 2: OTT platforms ensure instant availability of diverse content, which a traditional movie theatre cannot emulate.

Choose the most appropriate answer:

- (a) Only Argument 1 is strong
- (b) Only Argument 2 is strong
- (c) Both Arguments are strong
- (d) Neither Argument is strong

Answer: (d) Neither Argument is strong

Solution:

- Argument 1 is weak because OTT platforms are indeed challenging movie theatres by offering a different experience. - Argument 2 is also weak because while OTT platforms offer convenience, traditional theatres still offer a unique cinematic experience.

💡 Quick Tip

When evaluating arguments, always check whether the assertions made are substantiated by clear and relevant examples or evidence.

Q.150 Issue: Is football the most popular sport in the world?

Argument 1: Yes, Football World Cup (FIFA) has over five times global viewership compared to Formula 1 Grand Prix (Car racing) or the Wimbledon Championships (Tennis).

Argument 2: Yes, Lionel Messi is the most followed footballer across social media platforms.

Argument 3: No, the Cricket World Cup has been the most profitable sports event worldwide for the last three decades.

Choose the most appropriate answer:

- (a) Only Argument 1 is strong
- (b) Only Argument 2 is strong
- (c) Only Argument 3 is strong
- (d) Both Arguments 1 and 3 are strong

Answer: (a) Only Argument 1 is strong

Solution:

- Argument 1 is strong as it points to the global viewership of the Football World Cup. - Argument 2 and Argument 3 are weaker in comparison, as they don't provide definitive proof of football's global popularity.

 Quick Tip

When evaluating the strength of arguments, focus on evidence that directly supports the claim being made, such as statistics and factual data.