

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
(b)	(b)	(c)	(a)	(d)	(d)	(c)	(b)	(b)	(a)
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
(b)	(c)	(a)	(b)	(d)	(a)	(c)	(b)	(a)	(d)
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
(b)	(d)	(a)	(c)	(a)	(c)	(d)	(a)	(a)	(d)
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
(b)	(b)	(b)	(b)	(a)	(c)	(a)	(a)	(b)	(a)
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
(b)	(b)	(d)	(c)	(a)	(d)	(b)	(d)	(b)	(a)
<b>51</b>	<b>52</b>	<b>53</b>	<b>54</b>	<b>55</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>59</b>	<b>60</b>
(d)	(a)	(b)	(a)	(b)	(a)	(c)	(a)	(b)	(c)
<b>61</b>	<b>62</b>	<b>63</b>	<b>64</b>	<b>65</b>	<b>66</b>	<b>67</b>	<b>68</b>	<b>69</b>	<b>70</b>
(a)	(b)	(a)	(b)	(c)	(b)	(d)	(b)	(a)	(b)
<b>71</b>	<b>72</b>	<b>73</b>	<b>74</b>	<b>75</b>	<b>76</b>	<b>77</b>	<b>78</b>	<b>79</b>	<b>80</b>
(a)	(b)	(a)	(a)	(c)	(a)	(b)	(d)	(b)	(d)
<b>81</b>	<b>82</b>	<b>83</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>87</b>	<b>88</b>	<b>89</b>	<b>90</b>
(a)	(a)	(a)	(d)	(a)	(d)	(c)	(b)	(c)	(b)
<b>91</b>	<b>92</b>	<b>93</b>	<b>94</b>	<b>95</b>	<b>96</b>	<b>97</b>	<b>98</b>	<b>99</b>	<b>100</b>
(c)	(b)	(c)	(d)	(c)	(a)	(c)	(a)	(c)	(b)
<b>101</b>	<b>102</b>	<b>103</b>	<b>104</b>	<b>105</b>	<b>106</b>	<b>107</b>	<b>108</b>	<b>109</b>	<b>110</b>
(b)	(a)	(b)	(a)	(a)	(a)	(d)	(c)	(a)	(d)
<b>111</b>	<b>112</b>	<b>113</b>	<b>114</b>	<b>115</b>	<b>116</b>	<b>117</b>	<b>118</b>	<b>119</b>	<b>120</b>
(b)	(a)	(c)	(b)	(c)	(d)	(b)	(b)	(a)	(c)

1. Answer: B

[ Explanation: The reaction of the narrator and his kinsman to the man's conversation is a key detail in the passage, illustrating their awe and fascination with his vast knowledge. The passage vividly describes how the man discoursed on various subjects with such confidence and depth that it seemed he was consulted by the Disposer of All Things. He could quote

scientific theories, comment on the Vedas, and recite Persian poetry, all of which left the narrator and his kinsman astounded. The kinsman, in particular, who was a theosophist—a person who seeks direct knowledge of mysteries through mystical means—was convinced that the man was inspired by some supernatural or occult power. He listened to every word with "devotional rapture" and even took notes in secret. This reaction not only highlights their admiration but also their belief in the extraordinary nature of the man's knowledge, attributing it to something beyond the ordinary human capacity. ]

## 2. Answer - B

[ Explanation: The tone of the passage as the narrator describes the extraordinary man's behavior and discourse is predominantly awe-struck and reverent. This is evident from several key phrases and descriptions throughout the passage. Initially, the narrator and his kinsman are puzzled and intrigued by the man they meet on the train. The man's ability to confidently discuss a wide range of subjects, including science, the Vedas, and Persian poetry, leaves them in a state of wonder.

The narrator explicitly states that they were "struck dumb with wonder" by the man's demeanor and knowledge. This phrase highlights their astonishment and admiration. As the man continues to speak on various topics with authority and confidence, the narrator and his kinsman's admiration only grows. The passage mentions that their "admiration for him went on increasing," indicating a deepening sense of reverence as they listened to him.

The narrator's kinsman, a theosophist, even attributes the man's knowledge to some form of supernatural or occult power. This belief is illustrated by the kinsman's conviction that the man was "supernaturally inspired by some strange 'magnetism' or 'occult power,' by an 'astral body' or something of that kind." The kinsman listens to the man's words with "devotional rapture" and takes notes in secret, further underscoring the reverent tone. The use of the term "devotional rapture" suggests a near-religious awe, implying that they saw the man as possessing wisdom beyond the ordinary.

Moreover, the man's quoting of science, Vedic texts, and Persian poetry adds to the aura of mystique and reverence surrounding him. The reference to him as an "extraordinary companion" and the acknowledgment of his pleasure at being admired reflect the narrator's respectful and admiring perspective. The combination of these elements shapes a narrative that views the man not just as knowledgeable, but as possessing a profound and almost otherworldly wisdom.

Thus, the overall tone of the passage is one of awe-struck reverence, highlighting the narrator and his kinsman's deep respect and admiration for the extraordinary man they encountered on the train. This reverential tone shapes the reader's understanding of the man's character and the impact he had on those around him, presenting him as a figure of profound and mysterious knowledge. ]

## 3. Answer - C

[ Explanation: The phrase "The Susta 'chatters over stony ways and babbles on the pebbles,' tripping, like a skilful dancing girl" is a rich example of personification.

Personification is a literary device in which non-human objects, animals, or ideas are given human characteristics. In this case, the river Susta is depicted with human-like behaviors and qualities. The use of verbs such as "chatters" and "babbles" assigns the river actions that are typically associated with human communication and vocalization. This anthropomorphic portrayal suggests a lively, almost conversational presence of the river, as if it were speaking and interacting with its environment.

Furthermore, the phrase "tripping, like a skilful dancing girl" enhances this personification by likening the river's movement to that of a dancer. This simile adds another layer to the personification, creating a vivid image of the river's graceful and playful flow. By comparing the river's movement to a "skilful dancing girl," the author not only highlights the elegance and fluidity of the river's motion but also imbues it with a sense of artistry and charm.

The cumulative effect of these literary devices is to animate the river, making it a dynamic character in the narrative rather than a mere backdrop. This vivid personification helps to convey the beauty and liveliness of the natural scene, engaging the reader's imagination and emotions. Thus, while the simile contributes to the descriptive richness, it is the personification that stands out as the primary literary device in this passage, transforming the river into an active and expressive entity within the landscape. ]

#### 4. Answer - A

[ Explanation: The passage explicitly mentions, "As we had never stirred out of our homes before, the demeanour of the man struck us dumb with wonder." This statement is crucial in understanding the extent of the narrator's and his kinsman's experiences with the world beyond their immediate environment. The phrase "never stirred out of our homes" suggests that this journey is their first significant venture away from the familiar confines of their domestic life.

Their reaction to the extraordinary man they meet on the train further underscores their limited exposure. The man's confident discourse on a wide array of subjects and his ability to quote science, the Vedas, and Persian poetry left them in awe, indicating that they had not encountered such a broad and deep reservoir of knowledge before. The fact that the narrator's kinsman, a theosophist, was convinced that the man was supernaturally inspired by some "magnetism" or "occult power" also highlights their susceptibility to being impressed and influenced by new and unfamiliar ideas.

Additionally, their sense of wonder and admiration for the man's confident and knowledgeable demeanor is amplified by their inexperience with the world outside their home. This unfamiliarity with diverse cultures and perspectives made them more susceptible to being profoundly impacted by the man's presence and speech, which they perceived as extraordinary. Therefore, their reaction can be seen as a direct consequence of their lack of prior travel and exposure to different cultures and ideas, confirming that they had never left their home before this trip. ]

#### 5. Answer - D

[ Explanation: In the passage, "trivial" is used to describe topics that are considered of little importance or consequence. To understand the antonym, we need to look for a word that conveys the opposite meaning—something that denotes high importance or substantial value.

- Ordinary: "Ordinary" means something that is common or not exceptional. Like "mundane," it doesn't capture the essence of importance that contrasts with "trivial." An ordinary event is not necessarily trivial, but it is not significant either.
- Mundane: While "mundane" means ordinary or common, it does not convey the sense of importance that would directly oppose "trivial." Instead, it often refers to the everyday and unexciting aspects of life, which can also be considered of little importance.
- Superficial: This word means something that is only on the surface or shallow. While "superficial" does imply a lack of depth, it doesn't necessarily convey the opposite of importance. It often refers to a lack of thoroughness or depth in understanding or treatment rather than importance itself.
- Significant: This word means something that is important, meaningful, or of considerable influence, which stands in direct contrast to "trivial." For example, a significant event is one that has a profound impact or importance, unlike a trivial event, which would be minor or inconsequential.

Therefore, the most appropriate antonym for "trivial" in this context is "significant," as it fully captures the sense of importance and value that is opposite to the insignificance implied by "trivial." This makes "significant" the correct and most suitable choice. ]

#### 6. Answer - D

[ Explanation: The passage immerses the reader in Lyon Hartwell's studio on the Boulevard St. Michel, where seven American students gather on a poignant evening. The setting and atmosphere of Hartwell's studio become central as the group interacts, reflecting on Charley Bentley's imminent departure. Despite their close friendship and the typically cordial ambiance maintained by Hartwell, a subdued atmosphere pervades their conversation as they face Bentley's departure with a sense of melancholy.

Throughout the passage, the reader is introduced to the diverse backgrounds of the students—hailing from states like New Hampshire, Colorado, Nevada, and California—all united in their American identity abroad. Hartwell, though not native-born American, is embraced as embodying the spirit of America "from ocean to ocean," reflecting the expatriate experience in Paris.

While significant events such as Bentley's farewell and the extravagant luncheon at Maxim's punctuate the narrative, they serve primarily to underscore the emotional undercurrents in Hartwell's studio. The passage captures moments of reflection and intimacy among the group, depicting their collective introspection and the transient nature of their expatriate lives in Paris.

Therefore, "An Evening in Hartwell's Studio" emerges as the most fitting title for the passage. It encapsulates the essence of the narrative by highlighting the central setting and the emotional dynamics among the characters, emphasizing their connection to Lyon Hartwell's studio as a place of gathering, reflection, and camaraderie amidst the backdrop of expatriate life in Paris. ]

7. Answer - C

[ Explanation: The correct answer is C) The studio was a familiar gathering place for the students in Paris. This assumption is supported by the passage's description of Lyon Hartwell's studio as a place where the group of American students frequently gathered. The passage mentions, "When he was in Paris, his studio was always open to the seven of us who were there that evening, and we intruded upon his leisure as often as we thought permissible."

This statement suggests that Lyon Hartwell's studio was not merely a workspace but also a social hub for the group of American students. The use of phrases like "his studio was always open" and "we intruded upon his leisure" indicates a sense of familiarity and comfort in their visits. It implies that the studio was a place where they felt welcomed and where they regularly met and spent time together.

Furthermore, the passage describes the students' low spirits on the evening of Charley Bentley's departure, which they spent in Hartwell's studio. This reinforces the idea that the studio held significance beyond being a workspace—it was a place where emotional connections were formed and maintained among the group.

Therefore, based on the passage's depiction of Hartwell's studio as a gathering place that welcomed the students frequently and where they sought refuge and companionship, option C is the correct assumption. It reflects the studio's role not only as a physical location but also as a social and emotional anchor for the students during their time in Paris. ]

8. Answer - B

[ Explanation: In the passage, the author describes a gathering of seven students in Lyon Hartwell's studio, where they are in low spirits because Charley Bentley is preparing to leave indefinitely. The text states, "a perceptible dullness yawned through our conversation," indicating that the mood among the group was subdued and lacking in energy. This change in atmosphere suggests that Bentley's departure was emotionally significant to them.

The phrase "perceptible dullness" implies that there was a noticeable shift in the group dynamic, where their conversation became less lively or engaging. This dullness can be interpreted as a reflection of their somber mood due to Bentley leaving. It shows that Bentley's presence or impending absence had a tangible effect on the group's emotional state during their gathering in Hartwell's studio.

Option A, which mentions a lavish farewell dinner at Maxim's, is incorrect because while Bentley did host a luncheon earlier, there is no mention of a farewell dinner in the passage.

Option C, stating that Bentley's studio would be taken over by someone else, is incorrect because while his departure is noted, there is no direct implication that his studio space would immediately be occupied by another person. Option D is also incorrect because there is no indication in the passage that the students preferred Bentley's studio over Hartwell's; they sought refuge in Hartwell's studio only after encountering Bentley's packed belongings.

Therefore, option B is the correct answer because it directly aligns with the passage's description of the group's subdued mood and perceptible dullness in conversation, indicating that Bentley's departure was indeed a significant emotional event for them. ]

#### 9. Answer - B

[ Explanation: The sentence "The various bales and boxes seemed literally to weigh upon us" employs metaphor. A metaphor is a figure of speech that directly refers to one thing by mentioning another, in order to suggest a resemblance between them. In this case, the metaphor compares the emotional burden felt by the group of students to the physical weight of the bales and boxes.

The phrase "seemed literally to weigh upon us" creates a vivid image of how the presence of Charley Bentley's belongings (the bales and boxes) symbolizes the emotional weight and sadness the group feels due to his imminent departure. The metaphorical use of "weigh upon us" emphasizes the heaviness and seriousness of their emotions, indicating that they are deeply affected by Bentley's leaving.

Comparison with other options:

- Personification (A) attributes human qualities (such as weighing) to non-human entities (bales and boxes), which is not evident in this sentence.
- Oxymoron (C) involves combining contradictory terms (e.g., "bitter sweet"), which is not present in the sentence.
- Alliteration (D) refers to the repetition of initial consonant sounds in neighboring words, such as "she sells seashells by the seashore," which is not applicable here.

Therefore, the correct answer remains B) Metaphor, as it effectively captures the complex emotions through a direct comparison between the physical weight of objects and the emotional weight felt by the characters, aligning with the intended tone and imagery of the passage. ]

#### 10. Answer - A

[ Explanation: In the sentence, "the day we had got through very comfortably, for Bentley made it the occasion of a somewhat pretentious luncheon at Maxim's," the word "pretentious" is used to describe the luncheon. "Pretentious" means attempting to impress by affecting greater importance, talent, culture, etc., than is actually possessed.

The context suggests that the luncheon organized by Bentley at Maxim's was characterized by an effort to appear impressive or grand, possibly beyond what was necessary or genuine. The use of "somewhat" implies that while the luncheon was intended to be impressive, it may have come across as excessive or ostentatious to the speaker and the group.

Comparison with other options:

- Exquisite (B) means something that is beautifully made or delicately detailed, which may not fit the context of an ostentatious or showy luncheon.
- Modest (C) means something that is humble or unassuming, which is the opposite of pretentious.
- Simple (D) means something that is plain or uncomplicated, which also contrasts with the idea of being showy or pretentious.

Therefore, the correct answer remains A) Showy, as it accurately captures the meaning of "pretentious" in the context of the sentence. It denotes that the luncheon at Maxim's was characterized by an attempt to impress others with its extravagance or display, aligning with the tone and implication conveyed in the passage. ]

11. Answer - B

[ Explanation: The central idea conveyed through the dialogue between the oak tree and the ephemeral fly is primarily about the philosophical differences in perception of time and life. The passage presents a profound contrast between the ephemeral fly, which lives joyously for a single day, and the ancient oak tree, which has endured for three hundred and sixty-five years.

The fly, representative of creatures with short lifespans, perceives its existence as vibrant and full of beauty, despite its brevity. It celebrates each moment and finds joy in the immediate experiences of warmth, brightness, and fragrance in the natural world. In contrast, the oak tree, with its long lifespan and seasonal cycles, offers a perspective that stretches across years rather than days. It sees the fly's life as fleeting and perhaps lacking in depth due to its short duration.

This dialogue highlights profound philosophical reflections on the nature of time and life. It prompts readers to consider how different beings experience and perceive the passage of time based on their lifespan. The oak tree's perspective invites contemplation on the value of endurance, continuity, and the relative significance of individual moments versus enduring seasons.

Therefore, option B) The philosophical differences in perception of time and life, best encapsulates the central idea of the passage, emphasizing the contrasting perspectives between the ephemeral fly and the ancient oak tree on life's brevity and the passage of time. ]

12. Answer - C

[ Explanation: In the passage, the old oak tree is portrayed as a wise and contemplative observer of life, contrasting its own enduring existence with the ephemeral life of the fly. It recognizes the brief yet intense joy experienced by the ephemera during its short lifespan, acknowledging the fleeting nature of its happiness. However, the tree's perspective transcends its own longevity; it believes in the enduring presence of beauty beyond individual lives. This viewpoint is exemplified when the tree asserts that the beauty of the world will continue long after its own existence ends, implying a belief in the lasting impact of beauty that persists through generations and beyond mortal lifespans. Therefore, the statement that the old oak tree would most likely agree with is option C: "The beauty of the world persists long after individual lives come to an end." This choice reflects the tree's belief in the timeless and enduring nature of beauty, aligning with its understanding that while individual lives may be fleeting, the beauty they experience and contribute to remains a constant and significant aspect of existence. ]

13. Answer - A

[ Explanation: The correct sequence of sentences from the passage is:

- The oak tree describes its long lifespan compared to the ephemera's short life.
- The ephemera questions the oak tree about the meaning of "all over".
- The ephemera enjoys the beauty of the world on a warm summer day.
- The oak tree considers winter as its time for rest.

Firstly, sentence 2 sets the context by introducing the oak tree's perspective on its own long lifespan compared to the ephemera's brief existence. This sentence establishes the theme of contrasting lifespans and introduces the oak tree's viewpoint.

Following this, sentence 4 logically follows as the ephemera, after hearing the oak tree's perspective, questions what "all over" means, indicating curiosity about the oak tree's concept of time and existence.

Sentence 1 then fits in the sequence as it describes the ephemera enjoying the beauty of the world on a warm summer day. This sentence adds detail to the ephemera's experience, showing its joyful interaction with its surroundings.

Lastly, sentence 3 concludes the sequence by stating that the oak tree considers winter as its time for rest. This sentence ties back to the oak tree's perspective introduced in sentence 2, completing the logical sequence by explaining how the oak tree perceives its own cycle of rest and activity throughout the seasons.

Thus, the correct sequence (2, 4, 1, 3) logically connects the oak tree's perspective on time and the ephemera's brief lifespan with the ephemera's experience of joy and the oak tree's seasonal cycle. ]

14. Answer - B



[ Explanation: The correct answer is B) Imagery. Imagery refers to the use of descriptive language that appeals to the senses, creating a vivid mental picture for the reader. In the passage, the author employs imagery to vividly depict the ephemera's wings as "delicate wings of gauze and velvet."

The phrase "delicate wings" immediately evokes a sense of fragility and lightness, suggesting the ephemeral nature of the creature's existence. The comparison to "gauze and velvet" further enhances the imagery by appealing to both touch and visual senses. "Gauze" implies a thin, translucent texture, emphasizing the delicate and ephemeral quality of the wings, while "velvet" suggests a soft, luxurious feel, adding richness to the description.

By using such tactile and visual details, the author not only paints a clear picture of the ephemera's physical appearance but also underscores the ephemeral beauty and transient nature of the creature's life. This enhances the reader's engagement with the passage, allowing them to empathize with the ephemera's brief but intensely lived experience in contrast to the enduring lifespan of the oak tree.

This use of imagery not only serves to create a vivid sensory experience for the reader but also enriches the thematic exploration of life, beauty, and transience within the narrative context of the passage. ]

15. Answer - D

[ Explanation: The correct answer is D) "Glided down." A phrasal verb is a combination of a verb and one or more prepositions or adverbs that together form a single semantic unit with a specific meaning different from the individual meanings of its parts.

In the passage, the phrase "glided down" is used to describe the gentle descent of the ephemera. The verb "glided" indicates a smooth and effortless movement, suggesting the graceful manner in which the ephemera descends from the air to the soft waving blades of grass below. The adverb "down" specifies the direction of the movement, emphasizing the gradual and controlled nature of the descent.

Phrasal verbs are common in English and often convey actions or processes more vividly and succinctly than single-word verbs. In this case, "glided down" paints a clear picture of the ephemera's peaceful transition from flight to rest, enhancing the reader's visualization of the scene and contributing to the overall sensory experience conveyed in the passage. ]

16. Answer - A

[ Explanation: In the passage, the author compares Masie's brain to that of a Maltese cat. This comparison is used metaphorically to highlight Masie's character traits, particularly her secretive and wary nature. Like a Maltese cat, known for its cautious and observant behavior, Masie is portrayed as someone who gathers information discreetly and is careful in her interactions (option A). This analogy emphasizes Masie's shrewdness and suggests that she possesses a keen ability to assess situations and people around her, much like the discerning nature of a Maltese cat.

Option B (beauty and elegance) is incorrect as the passage focuses more on Masie's character traits rather than her physical appearance. Option C (commonly found in retail environments) is incorrect because the analogy pertains to Masie's behavior rather than her physical presence in a retail setting. Option D (easily distracted by sweet treats) is incorrect as it does not align with the cautious and secretive nature described in the analogy.

Therefore, the correct answer is A) Both are known for their cunning and secretive nature, reflecting the author's comparison between Masie and a Maltese cat in terms of their behavioral traits. ]

17. Answer - C

[ Explanation: The passage portrays Masie as a saleslady whose beauty is highlighted through descriptions likening her to Hebe and Minerva, goddesses known for their beauty and wisdom, respectively. The comparison suggests that Masie's physical attractiveness is noticeable and potentially influential in her professional interactions. When customers observe Masie, they are likely to associate her appearance with positive attributes such as grace and competence, which can enhance their perception of her abilities as a salesperson. This assumption is reinforced by the passage's description of Masie standing behind her counter, where customers perceive her beauty and possibly attribute qualities such as trustworthiness or professionalism to her based on her appearance. Therefore, option C, which states that "Masie's beauty affects how customers perceive her competence," aligns with the implicit assumption drawn from the passage that Masie's physical beauty plays a significant role in shaping customer perceptions and interactions in the store environment. ]

18. Answer: B

[ Explanation: The passage describes Masie as a saleslady who has acquired knowledge and shrewdness through her interactions with customers and colleagues at the Biggest Store. While Masie's beauty is highlighted as a notable aspect of her persona, option B weakens the argument that her shrewdness is solely attributed to her beauty by presenting an alternative factor influencing her reputation.

If Masie's colleagues often seek her advice on personal matters, it implies that they value her judgment and trust her insights beyond her physical attractiveness. This indicates that Masie possesses qualities such as wisdom and discernment that contribute to her perceived shrewdness. The fact that colleagues seek her advice suggests that Masie's reputation is built not only on her outward appearance but also on her ability to provide meaningful guidance and support, indicating a deeper level of respect and trust among her peers.

Therefore, option B weakens the argument that Masie's shrewdness is solely due to her beauty by suggesting that her colleagues value her for reasons beyond her physical attractiveness, highlighting her competence and personal qualities as factors contributing to her professional reputation at the store. Thus, it implies that Masie's shrewdness is multi-faceted, incorporating both her physical appearance and her interpersonal skills and judgment. ]

19. Answer - A

[ Explanation: The correct answer is A. Simile. A simile is a literary device that directly compares two unlike things using "like" or "as" to highlight similarities, often for descriptive or evocative purposes. In the phrase "she had stored it in a brain that was as secretive and wary as that of a Maltese cat," the simile draws a comparison between Masie's brain and the nature of a Maltese cat's behavior. ]

Maltese cats are known for being cautious, secretive, and observant, often wary of their surroundings. By likening Masie's brain to that of a Maltese cat, the author suggests that Masie possesses a similar demeanor: she is secretive and cautious in her thoughts and actions. This comparison not only enriches the description of Masie but also provides insight into her character, emphasizing her reserved and observant nature within the context of her environment at the Biggest Store.

Similes serve to enhance imagery and evoke a deeper understanding of characters or situations by drawing parallels that are familiar or vivid to the reader. In this case, the simile helps paint a picture of Masie's personality traits through a relatable comparison, contributing to the overall characterization and tone of the passage.

Therefore, the use of "as secretive and wary as that of a Maltese cat" as a simile underscores Masie's cautious and observant nature, offering readers a clearer image of her character through a literary device that engages both imagination and understanding. ]

20. Answer - D

[ Explanation: The correct answer is D. Friendliness. Congeniality refers to the quality of being friendly, pleasant, or agreeable. In the context of the phrase "a congeniality for the capers of Cupid," it suggests having an inclination or openness towards enjoying the playful or mischievous actions associated with Cupid, who is traditionally depicted as the mischievous god of love in mythology. ]

The phrase implies a positive and receptive attitude towards love and its playful aspects. "Capers" here refers to playful or lively actions, often associated with love and romance. To have "congeniality for the capers of Cupid" means to embrace or enjoy these romantic or playful gestures without reservation.

In the passage, this phrase underscores the idea that those who engage with or work in environments where romantic interactions might occur (such as a department store, where relationships might form between employees or with customers) should be open to these experiences with a friendly and welcoming attitude. It suggests a readiness to engage positively with the light-hearted aspects of romance and affection, which contrasts with the caution advised earlier regarding the potential pitfalls of romantic entanglements in such settings.

Therefore, "congeniality" in this context encapsulates a sense of warmth, friendliness, and receptiveness towards the playful or romantic antics associated with Cupid, aligning with the broader theme of relationships and interactions within the passage. ]

21. Answer: B

[ Explanation: The passage describes how Raúl, the gentleman from Peru, has clairvoyant abilities, which he demonstrates by making Mark's pain vanish and revealing personal details about the Americans' lives. This supernatural element creates a blend of magic realism and conventional storytelling, introducing ambiguity into the narrative. This blurring of reality and fantasy challenges the conventional narrative structures, making the story more complex and nuanced. The passage also notes that readers might either marvel at the depth of his insight or feel uneasy about the mystical elements, further supporting the idea that Aciman is introducing ambiguity and challenging traditional storytelling techniques. ]

22. Answer: D

[ Explanation: In Andre Aciman's novella "The Gentleman From Peru," the characters' reactions to Raúl's revelations evolve throughout the story. Initially, Raúl's ability to alleviate Mark's pain and his profound insights captivate the young Americans. This initial intrigue is evident as they are drawn to his unusual and seemingly magical abilities, making them eager to listen to his words and experiences. However, as Raúl continues to reveal more about their personal lives and delves into mystical and unsettling topics, the characters' reactions shift. The specifics of his knowledge about their lives, such as Basil swallowing his twin in the womb, start to create a sense of unease among the group. This is particularly highlighted by Margot's reaction, who becomes quite creeped out by the depth of Raúl's knowledge. The magical realism and profound insights that Raúl offers move from being fascinating to unsettling as the characters grapple with the discomfort of having their private lives exposed so openly. The evolution from intrigue to discomfort is a key element in the narrative, showcasing Aciman's ability to weave a complex emotional journey for his characters. The characters' shift from curiosity to unease underscores the novella's exploration of human connections and the boundaries of personal knowledge. ]

23. Answer: A

[ Explanation: "Writhing" is a verb that describes a twisting or contorting motion, often associated with severe discomfort or pain. While it is typically used to describe the movements of a living creature in pain, it doesn't necessarily attribute human qualities to an abstract concept. Instead, it vividly describes the nature of the pain experienced by the person. Therefore, Metaphor is the correct answer.

- Option B (Onomatopoeia): There's no sound associated with "writhing."
- Option C (Personification): While pain can be debilitating, it's not being portrayed as a human-like entity here.
- Option D (Hyperbole): "Writhing" might be considered an exaggeration, but it doesn't necessarily imply a greater magnitude than the pain actually is. It emphasizes the severity. ]

24. Answer: C

[ Explanation: The phrase "replete among the characters" is key to understanding how Greek and Celtic myths and legends are integrated into the novella. The word "replete" itself means filled with or well-supplied with something. In this context, it suggests that references to these myths and legends are not just present, but are abundant and deeply embedded within the characters and the story. This indicates that these myths and legends are a significant and prevalent aspect of the narrative, influencing the characters' behaviors, conversations, and the overall atmosphere of the novella. In other words, the myths and legends are not merely sprinkled throughout the text or mentioned occasionally; they are a pervasive element, deeply intertwined with the characters' experiences and interactions. This prevalence contributes to the mystical and magical realism that Aciman weaves into the story, adding layers of meaning and depth. The readers encounter these myths and legends repeatedly, which enriches the narrative and provides a richer, more immersive reading experience. Thus, the correct answer is C) Prevalent, as it accurately reflects the abundance and significance of Greek and Celtic myths and legends within the novella. ]

25. Answer: A

[ Explanation: In the sentence "The tunes of Sufjan Stevens' 'Mystery of Love' echo between the lines," the word "echo" conveys a sense of sound or influence being repeated or lingering throughout the text. It implies that the themes or feelings evoked by the song are mirrored or reflected within the novella, creating a continuous presence that resonates with the reader. This word means to be repeated several times as an echo, which aligns perfectly with the context of the sentence. When something reverberates, it continues to be heard or felt, much like an echo that persists and fills the space. In literary terms, it suggests that the essence of Sufjan Stevens' song is continually felt throughout Aciman's prose, enhancing the emotional and atmospheric depth of the novella. ]

26. Answer - C

[ Explanation: From the latest telemetry, it is confirmed that the satellite has re-entered the Earth's atmosphere and would have disintegrated over the Pacific Ocean, the final impact region estimated is in the deep Pacific Ocean within the expected latitude & longitude boundaries. ]

27. Answer - D

[ Explanation: The MT1 satellite was a collaborative effort between ISRO and the French space agency CNES. Its primary mission was to study the water cycle in the tropical atmosphere in the context of climate change. ]

28. Answer - A

[ Explanation: NISAR will be the first radar of its kind in space to systematically map Earth, using two different radar frequencies (L-band and S-band) to measure changes of our planet's surface, including movements as small as centimeter. Synthetic aperture radar (SAR) refers to a technique for producing fine-resolution images from a resolution-limited radar system. ]

29. Answer - A

[ Explanation:

- Statement A: Correct. ISRO established the ISRO System for Safe and Sustainable Space Operations Management (IS4OM) to track and monitor space objects.
- Statement B: Incorrect. ISRO has taken proactive measures to improve compliance with internationally accepted guidelines on space debris mitigation.
- Statement C: Incorrect. The satellite's perigee was progressively lowered through a series of 20 manoeuvres, not just two.
- Statement D: Incorrect. All manoeuvre plans were screened to ensure that there would be no post manoeuvre close approaches with other space objects, especially with crewed space stations like the International Space Station and the Chinese Space Station, thus posing no significant risk. ]

30. Answer - D

[ Explanation: The commercial arm of the Indian Space Research Organisation (ISRO), NewSpace India Limited (NSIL) is set to launch GSAT-20 (GSAT-N2), aboard SpaceX's Falcon-9 in 2024. ]

31. Answer - B

[ Explanation: Starlink will lead the way. Roughly two-thirds of SpaceX's launches in 2023 were devoted to building out Starlink, the company's satellite-internet megaconstellation. That trend will likely continue in 2024, for the network is nowhere near complete. ]

32. Answer - B

[ Explanation:

- Option A: Incorrect. Radar imaging satellites can capture images both day and night.
- Option B: Correct. One big advantage of radar imaging is that it is unaffected by weather, cloud or fog, or the lack of sunlight, allowing for high-quality images in all conditions.
- Option C: Incorrect. The mission life of radar imaging satellites, like EOS-04, can be substantial (e.g., ten years).
- Option D: Incorrect. Radar imaging satellites, like those in the RISAT series, produce high-resolution images. ]

33. Answer - B

[ Explanation: AMCA is designed as a single-seat, twin-engine combat aircraft. The AMCA Mark 1 will come equipped with 5th generation technologies and Mark 2 will have the incremental 6th generation technology upgrades. The AMCA is intended to perform a

multitude of missions including Air supremacy, Ground-Strike, Suppression of Enemy Air Defenses (SEAD) and Electronic Warfare (EW) missions. It is intended to supplant the Sukhoi Su-30MKI air superiority fighter, which forms the backbone of the IAF fighter fleet. ]

34. Answer - B

[ Explanation: The Mark-1 variant of the aircraft will be a fifth-generation fighter while the Mark-2 variant will have sixth-generation technologies. AMCA is designed as a single-seat, twin-engine combat aircraft. ]

35. Answer - A

[ Explanation: The Tapas Medium Altitude Long Endurance (MALE) UAV developed for Intelligence, Surveillance, Target Acquisition, and Reconnaissance (ISTAR) applications is in an advanced stage of developmental trials. ]

36. Answer - C

[ Explanation:

Option A: Incorrect. The maximum payload capacity of the LCA Tejas is 4,000 kg.

Option B: Incorrect. The LCA Tejas is designed to carry a range of air-to-air, air-to-surface, and precision-guided weapons.

Option C: Correct. The LCA Tejas includes air-to-air refueling capability.

Option D: Incorrect. The maximum speed of the LCA Tejas is Mach 1.8. ]

37. Answer - A

Explanation:

A) This statement is incorrect. The Agni missile developed under the IGMDP is not a short-range surface-to-air missile. Instead, it is a series of ballistic missiles with different ranges (Agni 1, 2, 3, 4, 5). The misunderstanding here is regarding the type and range of the Agni missile, which is a critical aspect of India's strategic missile development.

B) This statement is correct. The IGMDP was indeed approved by the Government of India in 1983 and was completed in March 2012. The accuracy of the timeline highlights the program's structured progress and completion.

C) This statement is correct. The IGMDP was conceived by Dr. A.P.J. Abdul Kalam, reflecting his vision for India to achieve self-sufficiency in missile technology. This shows the program's leadership and conceptualization, pivotal to understanding its goals.

D) This statement is correct. The Nag missile developed under the IGMDP is a 3rd generation anti-tank missile, designed to destroy modern main battle tanks and other heavily

armored targets. This reflects the program's capability to develop advanced tactical weaponry. ]

38. Answer - A

[ Explanation: The first Tri-Service theatre command of the Indian Armed Forces is based at Port Blair in the Andaman and Nicobar Islands. ]

39. Answer: B

[ Explanation: In 2024, the Defence Research and Development Organisation (DRDO) conducted the first successful flight test of the Agni V missile with Multiple Independently Targetable Re-Entry Vehicle (MIRV) technology. ]

40. Answer - A

[ Explanation: The Centre for Brain Research at IISc, Bengaluru, spearheads the Genome India Project by identifying genetic variations through whole-genome sequencing. Populations across the world differ in their genetic makeup and environmental influences. Therefore, it is important to examine the risk factors for complex genetic diseases and rare genetic variations contributing to specific disorders in population-specific studies. ]

41. Answer - B

[ Explanation: GenomeIndia, a visionary national project funded by the Department of Biotechnology, Government of India, was launched in January 2020. Its ambitious goal is to sequence 10,000 genomes from healthy Indian individuals spanning the length and breadth of the country. The primary aim of GenomeIndia is to construct a comprehensive catalogue of genetic variations for India's population that will better capture our unique diversity. This initiative is not just about decoding our genes; it is about creating a detailed reference that encapsulates the Indian population's genetic makeup and enables a deeper understanding of its diversity. ]

42. Answer - B

[ Explanation: About 1 in 1000 positions differ between any two individuals on average, resulting in diverse genetic codes. These genetic variations among individuals affect our disease risks, and also determine a person's responses to drugs. Understanding these genetic nuances is key to deciphering people's predispositions to certain diseases and designing effective treatments for these. ]

43. Answer - D

[ Explanation: India announced its first complete human genome in 2009. "The technology has come a long way. Now, it takes only about five days to sequence an entire human genome and perform all the quality checks. In fact, we were able to sequence the entire 10,000 genomes in a matter of three to four months," said Dr Gokhale. ]



44. Answer - C

[ Explanation: Whole-genome sequencing (WGS) is a comprehensive method for analyzing entire genomes. Genomic information has been instrumental in identifying inherited disorders, characterizing the mutations that drive cancer progression, and tracking disease outbreaks. ]

45. Answer - A

[ Explanation: In an attempt to more accurately represent all of human genetic variation, scientists have created a draft "pangenome", which sequences DNA from 47 people from Africa, the Americas, Asia and Europe and could help research into the links between genes and disease. ]

46. Answer - D

[ Explanation: ASHG stands for the American Society for Human Genetics, which hosts the annual meeting to showcase cutting-edge research in genetics and genomics. ASHG's mission is to advance human genetics and genomics in science, health, and society through excellence in research, education, and advocacy. ]

47. Answer - B

[ Explanation: Named 'Suchetha', the 24-meter catamaran ferry boasts an electric propulsion system powered by hydrogen fuel cells. Capable of carrying 50 passengers. The onboard fuel cells generate power through a chemical reaction between hydrogen and oxygen, emitting only water and heat. ]

48. Answer: D

[ Explanation: REC Limited, a Maharatna Central Public Sector Enterprise under the Ministry of Power and a leading NBFC, won the SKOCH ESG Award 2024 in the 'Renewable Energy Financing' category. This award underscores REC's dedication to sustainable financing, paving the way for a greener future and accelerating the transition to renewable energy. ]

49. Answer - B

[ Explanation: ReNew, a Nasdaq-listed decarbonisation firm, proposed to invest Rs 26,400 crore for a green hydrogen project with 220-kilo-tonnes-per-annum of green hydrogen production capacity in Kerala. ]

50. Answer - A

[ Explanation: The primary goal of the Under2 Coalition is to achieve net zero emissions by 2050 at the latest. This commitment reflects the coalition's focus on long-term climate goals. ]

51. Answer - D

[ Explanation:

- Statement A is incorrect. Hydrogen fuel cells produce only water and heat as by-products, not carbon dioxide. They are considered a zero-emission technology because they do not emit harmful pollutants.
- Statement B is incorrect. Hydrogen fuel cells are known for their quiet operation, making them suitable for use in sensitive environments like hospital buildings.
- Statement C is incorrect. Hydrogen is one of the most abundant elements on Earth, which contributes to its viability as a cleaner alternative fuel option.
- Statement D is correct. The electrochemical process in hydrogen fuel cells produces electricity, with water and heat being the only by-products. ]

52. Answer - A

[ Explanation: Spain has become the 99th member of the International Solar Alliance (ISA) following Panama, by handing over the Instrument of Ratification. The International Solar Alliance (ISA) is a collaborative platform for increased deployment of solar energy technologies as a means for bringing energy access, ensuring energy security, and driving energy transition in its member countries. ]

53. Answer - B

[ Explanation: Component-B involves the installation of two million standalone solar-powered agriculture pumps. The main objective of PM KUSUM Yojana is to assist the farmers in installing off-grid solar pumps in rural areas, thereby decreasing their dependence on grid-connected areas. ]

54. Correct Answer: (a) Rahul's unintentional trigger of the security system constitutes false imprisonment, and he may pursue legal action against the exhibition organizers.

Reference: "False imprisonment occurs when there is an unjustified restraint on an individual without his consent, and where the individual cannot leave the area or reasonably believes that they cannot leave the area."

Difficulty Level: Difficult

Explanation:

(a) Correct: The passage emphasizes that false imprisonment occurs when there is an unjustified restraint on an individual without consent. In this scenario, Rahul's unintentional trigger of the security system led to his confinement, and he did not consent to this restraint. Therefore, he has grounds to pursue legal action against the exhibition organizers for false imprisonment.

(b) Incorrect: The lack of awareness on the part of security personnel does not absolve the exhibition organizers of liability. The key factor is whether there was unjustified restraint on Rahul, and the passage does not specify that intent or awareness is necessary for false imprisonment.

(c) Incorrect: While attendance at the private exhibition may imply some level of acceptance of security measures, it does not automatically render the unintentional trigger a lawful restraint. The crucial element is whether the restraint was justified, and the passage does not support the idea that unintentional triggers are considered lawful.

(d) Incorrect: The rarity and value of the exhibited artifacts do not justify unintentional confinement. The passage does not introduce exceptions based on the significance of the items involved. Unjustified restraint, regardless of the context, constitutes false imprisonment according to the principles outlined.

55. Correct Answer: (b) Vikram's unintentional road closure constitutes false imprisonment, and Ananya may pursue legal action against him for the confinement.

Reference: "The person accused of false imprisonment must have a probable cause for the restraint, and the plaintiff need not be aware of the confinement at the time."

Difficulty Level: Difficult

Explanation:

(a) Incorrect: Ananya's lack of awareness about the surveillance operation is not a determining factor for false imprisonment according to the principles outlined in the passage. The focus is on whether there was an unjustified restraint, and the passage does not indicate that the plaintiff's awareness is essential for false imprisonment. Even if Ananya was unaware of the surveillance, if the restraint was unjustified, it still constitutes false imprisonment.

(b) Correct: The passage explicitly states that false imprisonment can occur when there is an unjustified restraint, and the person need not be aware of the confinement at the time. In this scenario, Vikram's unintentional road closure led to Ananya's confinement, and she was not aware of the surveillance operation. Thus, Ananya has legal grounds to pursue action against Vikram for false imprisonment. The crucial element here is the unjustified nature of the restraint, aligning with the principles outlined in the passage.

(c) Incorrect: The probable cause for the road closure in a corporate espionage case does not automatically justify the unintentional confinement of a passerby. The passage emphasizes that the person accused of false imprisonment must have a probable cause for the restraint, but it also requires the restraint to be justified. In this case, the unintentional road closure, while related to a surveillance operation, is not automatically deemed a justified restraint, especially when it results in the confinement of an unrelated individual.

(d) Incorrect: The temporary nature of the road closure does not exempt it from meeting the criteria for false imprisonment. The passage does not introduce a time element as a condition for determining false imprisonment. As long as the restraint is unjustified, it

qualifies as false imprisonment. In this situation, even though the road closure was temporary, Ananya may still have legal grounds to pursue action against Vikram if the confinement was unjustified.

56. Correct Answer: (a) Aryan's confinement within the soundproof glass chamber constitutes false imprisonment, as it involves the complete restraint of his liberty without lawful justification.

Reference: "The plaintiff's liberty must be completely restrained within a specific area without lawful justification, and this may involve the use of force or the threat of force, leading the person to comply against their will."

Difficulty Level: Moderate

Explanation:

(a) Correct: The passage outlines that false imprisonment occurs when the plaintiff's liberty is completely restrained within a specific area without lawful justification, involving the use of force or the threat of force. In this scenario, Aryan's confinement within the soundproof glass chamber meets these criteria, making it false imprisonment. Mr. Kapoor's activation of the security system was not justified, and it resulted in Aryan's complete restraint without lawful justification.

(b) Incorrect: The dispute during the poker game does not automatically justify the use of force or the complete restraint of Aryan's liberty. According to the principles outlined in the passage, false imprisonment requires lawful justification, and in this case, Mr. Kapoor's actions do not meet this criterion.

(c) Incorrect: Aryan's skill as a poker player does not exempt him from the principles of false imprisonment. The passage emphasizes that the use of force or the threat of force leading to the complete restraint of liberty constitutes false imprisonment, irrespective of the context or the individuals involved.

(d) Incorrect: While the casino may be private property, the principles of false imprisonment still apply. The passage does not provide exceptions based on ownership or private property status. Mr. Kapoor's use of force to confine Aryan without lawful justification falls under false imprisonment.

57. Correct Answer: (c) Simran's detention by security personnel constitutes false imprisonment, as it involves unreasonable detention based on appearance and a mistaken association with a criminal symbol.

Reference: " Examples of false imprisonment include locking someone in a room without permission, unreasonable detention by security personnel or police officers based on appearance or religious symbols, hostage situations orchestrated by criminal groups or terrorists, and the unjustified restraint of patients in healthcare settings."

Difficulty Level: Moderate

Explanation: (a) Incorrect: Simran's attempts to clarify the misunderstanding do not automatically absolve the security personnel of liability. The key consideration is whether the initial detention was reasonable or not. If it was unreasonable and based on mistaken identification, it still falls under the category of false imprisonment.

(b) Incorrect: While ensuring the safety of attendees is a legitimate concern, the passage does not introduce a blanket justification for security measures that lead to extended confinement. The crucial factor is whether the detention is reasonable or not. In Simran's case, if the detention is based on a mistaken identification, it may still constitute false imprisonment.

(c) Correct: The passage highlights that false imprisonment can occur when there is unreasonable detention by security personnel based on appearance or religious symbols. In this hypothetical situation, Simran's detention is based on a mistaken identification linked to her necklace, which aligns with the examples provided.

(d) Incorrect: The passage does not specify that false imprisonment requires the confinement to be in a locked room. If the detention is unreasonable and based on appearance or symbols, as in Simran's case, it can still be considered false imprisonment, regardless of the specific location of the confinement.

58. Correct Answer: (a) Riya's confinement due to the accidental activation of the security feature constitutes false imprisonment, and she may have legal grounds to pursue action against the auction organizers.

Reference: "The plaintiff must be confined to a specific area where they reasonably believe they cannot leave."

Difficulty Level: Easy

Explanation:

(a) Correct: According to the passage, false imprisonment occurs when the plaintiff is confined to a specific area where they reasonably believe they cannot leave. In this scenario, Riya's confinement resulted from the accidental activation of the security feature, and she felt unable to leave. This aligns with the criteria for false imprisonment, and Riya may have legal grounds to pursue action against the auction organizers for the unintended confinement.

(b) Incorrect: The accidental nature of the security feature does not automatically absolve the auction organizers of liability. The key consideration is whether there was an unjustified restraint on Riya, as outlined in the passage. Even if unintentional, if the confinement meets the criteria for false imprisonment, Riya may have legal grounds to pursue action.

(c) Incorrect: Riya's desire to leave the bidding hall is relevant to the criteria for false imprisonment, as the passage specifies that the plaintiff must reasonably believe they cannot leave. If Riya felt confined and unable to leave due to the accidental security feature, it aligns with the principles outlined for false imprisonment.

(d) Incorrect: The exclusivity of the auction and the rarity of the artifact do not automatically justify the accidental confinement. The passage does not introduce exceptions based on the nature of the event or the value of the items involved. If the accidental confinement meets the elements of false imprisonment, Riya may have legal grounds to pursue action.

59. Correct Answer: (b) The extraterritorial law is valid, considering the direct impact on Bharatland's economy, and GuptaCorp's challenge lacks merit as the passage emphasizes Parliament's jurisdiction over extraterritorial operations.

Reference : The territorial nexus, as outlined in Article 245 of the Indian Constitution, delineates the legislative jurisdiction of Parliament and state legislatures.

Difficulty Level: Moderate

Explanation:

(a) Incorrect: While the sovereignty of other nations is a valid concern, the passage does not explicitly address the concept of infringing upon the sovereignty of other nations. The focus is on the legitimate nexus required for extraterritorial laws, which may differ from issues of international sovereignty.

(b) Correct: The passage emphasizes Parliament's jurisdiction over extraterritorial operations, especially when there is a direct impact on Bharatland's economy. The law is valid in this scenario, and GuptaCorp's challenge lacks merit based on the principles outlined in the passage.

(c) Incorrect: The passage does highlight the necessity of a legitimate nexus for extraterritorial laws. However, in this case, the direct impact on Bharatland's economy may establish a sufficient connection, making the law valid, and GuptaCorp's challenge may not have a strong basis.

(d) Incorrect: The passage does not suggest that the validity of extraterritorial laws depends on international acceptance. Instead, it emphasizes Parliament's jurisdiction in such matters. GuptaCorp's challenge is evaluated based on the principles within Bharatland's legal framework rather than international opinions.

60. Correct Answer: (c) International law takes precedence over Country Z's unilateral law, and the exclusive jurisdiction claimed is invalid, as it violates the principles of the Union List mentioned in the passage.

Reference Line: "Parliament is empowered to enact laws for the entire country or specific regions, including extraterritorial operations."

Difficulty Level: Difficult

Explanation:

(a) Incorrect : This option incorrectly assumes that the passage grants absolute authority to Parliament for enacting laws with extraterritorial implications, without consideration for international legal principles. In reality, the passage underscores the need for compliance

with both the constitution and international law. International objections, if valid, could indeed hold legal weight and impact the validity of such laws.

(b) Incorrect: This option recognizes the absence of explicit details in the passage regarding the permissible scope of extraterritorial laws. However, it correctly implies that international objections may have legal grounds, although it acknowledges the need for a more nuanced analysis. The explanation should delve into the complex interplay between national and international legal considerations in determining the validity of such laws.

(c) Correct: This option accurately captures the essence of the passage by highlighting the hierarchical relationship between Parliament's jurisdiction and international law. It correctly asserts that compliance with international legal principles is crucial for the validity of extraterritorial laws. The constitution serves as the supreme law, but it must align with broader international legal norms.

(d) Incorrect: This option introduces a condition not supported by the passage, suggesting a connection between the validity of laws and India's economic interests. The passage does not make this direct linkage; instead, it emphasizes the constitutional framework and the need for adherence to international legal principles. Economic interests are not identified as a singular determinant of the validity of extraterritorial laws.

61. Correct Answer: (a) Aaryan's challenge is valid, as the extraterritorial application of Indian law, even for cyber threats, cannot supersede international legal norms.

Reference Line: Concurrent List subjects are open to legislation by both. Notably, if Parliament enacts laws for extraterritorial operations, their validity cannot be questioned under Article 245(2), emphasizing the supremacy of such legislation.

Difficulty Level: Difficult

Explanation: (a) Correct - Aaryan's challenge is considered valid under the principles outlined in the passage. The passage does not indicate that the extraterritorial application of Indian law, even for addressing cyber threats, can supersede international legal norms. Aaryan has a legitimate basis for challenging the validity of his arrest, asserting that international legal norms should not be infringed upon, even in the context of addressing cyber threats to national security.

(b) Incorrect - While the passage mentions the supremacy of Parliament's power to enact laws for extraterritorial operations under Article 245(2), it does not imply that such laws are immune to scrutiny in the context of international legal norms. The option oversimplifies the complexity of the issue by suggesting that the validity of Aaryan's arrest cannot be questioned based solely on Article 245(2).

(c) Incorrect - Aaryan's challenge is not contingent upon the international community's acceptance of India's concerns about cyber threats. The passage does not provide information to support this condition. Aaryan's challenge is rooted in the assertion that the extraterritorial application of Indian law should not violate international legal norms, regardless of the international community's stance on India's concerns. (d) Incorrect - The passage does not explicitly state that the arrest of Aaryan is justified due

to the immediate and unique threat posed by cyber warfare. The focus is on Aaryan's challenge based on the extraterritorial application of Indian law conflicting with international legal norms. The urgency or uniqueness of the threat is not a direct factor in determining the validity of Aaryan's arrest according to the passage.

62. Correct Answer: (b) State A's law is invalid as it oversteps the limited scope of state legislatures in extraterritorial operations, even if there is a legitimate concern about cyber threats.

Reference: "The scope of state legislatures in extraterritorial operations is limited, except when a legitimate nexus is established."

Difficulty Level: Moderate

Explanation:

(a) Incorrect: While the concern about cyber threats is acknowledged, the passage does not imply an unlimited authority for state legislatures in conducting extraterritorial operations. The validity of the law depends on the establishment of a legitimate nexus, and concerns alone may not justify the extraterritorial actions.

(b) Correct: The passage explicitly states that the scope of state legislatures in extraterritorial operations is limited, emphasizing the need for a legitimate nexus. In this scenario, the law allowing arrests and seizures outside the territorial jurisdiction may be deemed invalid unless a legitimate nexus is established.

(c) Incorrect: The passage does not suggest an automatic expansion of state legislatures' scope when facing cross-border challenges. The legitimacy of the arrest depends on the establishment of a legitimate nexus, and mere challenges like cyber threats may not inherently broaden the scope.

(d) Incorrect: While international law implications are mentioned in the passage, the focus is on the limited scope of state legislatures in extraterritorial operations. The arrest's violation of international law is not explicitly addressed in the passage, making this option less supported by the provided reference.

63. Correct Answer: (a) The nexus must establish a connection between the state and the object.

Reference: "To be legitimate, the nexus must establish a connection between the object and the state."

Difficulty Level: Easy

Explanation:

(a) Correct: The passage explicitly states that for a nexus to be legitimate, it must establish a connection between the object and the state. This connection is crucial for the validity of laws and actions with extraterritorial implications.



(b) Incorrect: The passage does not mention intentionality as a criterion for the legitimacy of the nexus. The focus is on the connection between the state and the object, regardless of intentionality.

(c) Incorrect: The passage does not require the nexus to have a direct impact on international relations. Instead, it underscores that the legitimacy of the nexus is contingent upon establishing a connection between the state and the object. The focus is on the domestic or national implications of the nexus rather than its impact on international relations.

(d) Incorrect: The passage does not indicate that the legitimacy of the nexus depends on approval from the international community. It stresses the importance of the connection between the state and the object for legitimacy.

64. Correct Answer: b) Dr. Anderson's violation of a legal duty in the surgical procedure

Reference: Essentials of negligence include the legal obligation for the defendant to perform a duty, the defendant's ignorance leading to a lack of reasonable care, and the plaintiff suffering injuries due to the defendant's negligence.

Difficulty level: Difficult

Explanation:

(a) Incorrect - Mr. Johnson's failure to communicate concerns during the surgery is not the primary focus of negligence in this scenario. Negligence in a medical context typically pertains to the actions of the healthcare provider rather than the patient's communication. The essential element being examined here is the conduct of Dr. Anderson, the surgeon, during the critical procedure.

(b) Correct - Dr. Anderson's violation of a legal duty in the surgical procedure is the key aspect of negligence in this case. Surgeons have a legal obligation to perform procedures with a standard of care, and leaving a surgical instrument inside a patient is a clear breach of this duty. This failure to exercise reasonable care in the surgery establishes the core element of negligence.

(c) Incorrect - Mr. Johnson's lack of awareness regarding potential complications is not the primary focus in a negligence claim. The crux of negligence in medical cases is the conduct of the healthcare professional, and in this case, the surgeon's actions are central to the legal scrutiny.

(d) Incorrect - Dr. Anderson's overall reputation as a skilled surgeon, while important in a broader context, does not directly address the specific surgical error and its legal implications. The issue at hand is the surgeon's lapse during this procedure, and reputation alone does not absolve negligence.

65. Correct Answer: (c) Raghav needs to prove that the medical tool left inside his body directly caused the additional complications.

Reference: The burden of proof lies with the plaintiff, who must establish a direct connection between the defendant's actions and the damages sustained.

Difficulty level: Moderate

Explanation:

(a) Incorrect - The passage underscores the plaintiff's burden of establishing a direct connection between the defendant's actions and the damages sustained. Whether Amit had a legal obligation to perform the surgery is not the central concern in proving negligence. The focus is on the specific act of leaving the medical tool inside the body and the resulting complications.

(b) Incorrect - Raghav's pre-existing heart conditions are not directly pertinent to the negligence claim against Amit. The crucial element is proving that the medical tool left inside the body directly caused additional complications. The passage emphasizes the need for a direct connection between the defendant's actions and the damages sustained.

(c) Correct - The passage explicitly states that the plaintiff (Raghav) must establish a direct connection between the defendant's (Amit's) actions (leaving the medical tool inside the body) and the damages sustained (additional complications). This aligns with the central principle of negligence discussed in the passage.

(d) Incorrect - While awareness of potential complications might be a relevant aspect, the key issue in establishing negligence is the direct connection between the specific action (leaving the medical tool) and the damages sustained. Proving that Amit was aware of potential complications, though potentially relevant, is secondary to establishing the direct causal link.

66. Correct Answer: (b) Both Arjun and Radhika share responsibility, and Radhika cannot sue Arjun for damages, considering her conscious disregard for safety warnings.

Reference: Principles of contributory negligence dictate that if the plaintiff's negligence directly causes damages, or if both parties have taken reasonable care, the plaintiff cannot sue the defendant.

Difficulty level: Difficult

Explanation:

(a) Incorrect - While Arjun undoubtedly bears a degree of responsibility for the overall safety of the construction site, the principle of contributory negligence introduces a nuanced understanding of liability. In scenarios where both parties exhibit negligence, as is the case here, the contributory negligence principle does not attribute sole responsibility. Ms. Radhika's actions contribute to the harm, indeed, but the essence of this principle lies in recognizing shared responsibility. Arjun's role in site management might affect his liability, but the distribution of responsibility is influenced by both parties' actions.

(b) Correct - This option is in alignment with the well-established principle of contributory negligence. In situations where both parties are found to be negligent, the legal stance is

that responsibility is shared. In the given scenario, both Arjun and Radhika can be deemed responsible for their actions. Ms. Radhika's conscious disregard for safety warnings and barriers plays a crucial role in establishing shared responsibility. Therefore, according to the contributory negligence principle, Radhika cannot sue Arjun for damages as they both contribute to the circumstances leading to the injury.

(c) Incorrect - The assertion that Arjun's potential liability is not entirely absolved by taking reasonable steps to secure the construction site introduces a valid consideration. However, the contributory negligence principle doesn't necessarily suggest complete absolution. Even if Arjun took reasonable steps, the foreseeability of Ms. Radhika's actions and the subsequent injury could impact the shared responsibility, as implied by the principle. Therefore, the potential for Arjun's liability remains, albeit potentially diminished.

(d) Incorrect - While Arjun has an overarching duty to ensure the overall safety of the construction site, the contributory negligence principle emphasizes shared responsibility when both parties exhibit negligence. Radhika's negligent actions play a vital role in determining the distribution of liability. Arjun's duty does not exempt him from the impact of Radhika's actions, and thus, the contributory negligence principle underscores the shared responsibility between both parties.

67. Correct Answer: (d) The burden of proof lies with the construction company to demonstrate Aarav's negligence in order to invoke contributory negligence.

Reference: "Res ipsa loquitur allows the accident itself to serve as prima facie evidence, relieving the plaintiff of the obligation to prove specific details. However, contributory negligence requires evidence of the plaintiff's negligence."

Difficulty Level: Moderate

Explanation:

(a) Incorrect - The concept of res ipsa loquitur, as discussed in the passage, relieves the plaintiff (Aarav in this case) from the obligation to prove specific details of how the accident occurred. Res ipsa loquitur allows the accident itself to be considered as prima facie evidence, shifting the burden to the defendant to explain the circumstances.

(b) Incorrect - Res ipsa loquitur can indeed apply in situations where the falling of a heavy object is unexpected, as the doctrine operates on the premise that certain accidents wouldn't occur without negligence. The fact that potential hazards exist near a construction site does not automatically absolve the construction company from liability; rather, it prompts an examination of whether reasonable care was taken to prevent such incidents.

(c) Incorrect - Contributory negligence, while a potential defense for the construction company, is not an absolute shield. The passage suggests that even if Aarav's actions are considered, the burden still rests with the construction company to prove his negligence. It's not a straightforward exemption from liability.

(d) Correct - The passage establishes that the burden of proving contributory negligence lies with the defendant. In this scenario, the construction company must demonstrate Aarav's

negligence to invoke contributory negligence as a defense. This aligns with the legal principles discussed, emphasizing that the defendant bears the responsibility of proving the plaintiff's negligence.

68. Correct Answer:(b) Only Ravi is responsible.

Reference: "The rule of last opportunity establishes that the party with the final chance to avoid an accident is solely responsible."

Difficulty Level: Easy

Explanation:

(a) Incorrect - Amit's responsibility is not absolute in this scenario. While he could have been more careful, the rule of last opportunity considers the party with the final chance to avoid the accident as solely responsible.

(b) Correct - According to the rule of last opportunity, the party with the final chance to prevent the accident bears sole responsibility. In this case, Ravi, riding a bicycle without a bell and aware of the loose stone, had the last opportunity to prevent the accident by alerting Amit. Therefore, Ravi is solely responsible for the incident.

(c) Incorrect - The rule of last opportunity does not distribute responsibility equally. It places sole responsibility on the party with the final chance to avoid the accident. In this case, that responsibility falls on Ravi, not Amit.

(d) Incorrect - The rule of last opportunity designates responsibility to the party with the final chance to avoid the accident. In this scenario, Ravi had the last opportunity to prevent the accident by alerting Amit, making him solely responsible. Neither party is completely free from responsibility, but the rule identifies the one with the final chance as solely accountable.

69. Correct Answer: (a) Yes, as Priya was born in India

Reference: Article 5 focused on citizenship by domicile, stating that a person born in India or with parents born in India, and residing in the country for five years before January 26, 1945, qualified as a citizen.

Difficulty Level: Difficult

Explanation:

(a) Correct - Priya, being born to Indian parents, is an Indian citizen by birth. According to Article 5 of the Constitution, anyone born in India or having Indian parentage is considered an Indian citizen. In this case, Priya fulfills the criteria for citizenship by virtue of her birth in India, regardless of her subsequent travels or academic pursuits abroad.

(b) Incorrect - Priya's prolonged stay in France during World War II does not impact her Indian citizenship status, as Article 5 of the Constitution primarily focuses on the conditions for acquiring citizenship by birth or descent. Priya's birth in India establishes her citizenship, and her temporary stay abroad for academic purposes does not negate this status.

(c) Incorrect - The requirement for a special permit for re-entry is not applicable in Priya's case, as she is already an Indian citizen by birth. The Constitution does not mandate additional permits for Indian citizens returning from abroad.

(d) Incorrect - The Constitution does not exclude individuals with foreign academic qualifications from Indian citizenship. In Priya's case, her citizenship is determined by her birth in India, and her academic pursuits abroad do not impact her citizenship status under Article 5.

70. Correct Answer: (b) yes, because Rahul migrated from Pakistan to India before the introduction of the permit system on July 19, 1948.

Reference: Article 6 addressed persons who migrated from Pakistan to India, categorizing them into two groups based on whether the migration occurred before or after July 19, 1948, when the permit system was introduced.

Difficulty Level: Difficult

Explanation:

Correct Answer: (b) Yes, because Rahul migrated from Pakistan to India before the introduction of the permit system on July 19, 1948.

Explanation:

(a) Incorrect - Rahul's return to India does not align with the conditions set by Article 6. According to Article 6, individuals who migrated from Pakistan to India were categorized based on whether the migration occurred before or after July 19, 1948, when the permit system was introduced. Rahul's initial migration back to Pakistan and subsequent return to India fall outside the parameters set by Article 6. The article does not explicitly consider subsequent returns as valid resettlements, making this option the correct interpretation.

(b) Correct - This option accurately reflects the significance of the timing of Rahul's migration. The passage states that Rahul initiated his journey on June 1, 1948, crossing the border before the introduction of the permit system on July 19, 1948. This places Rahul's migration within the timeframe specified by Article 6, making him eligible for consideration as an Indian citizen.

(c) Incorrect - While Rahul's initial migration is considered in this option, the passage does not explicitly state that subsequent returns are recognized as valid resettlements under Article 6. The conditions outlined in Article 6 pertain to the time of migration and its categorization based on the permit system, not to subsequent returns.

(d) Incorrect - This option is too broad and does not address the specific circumstances of Rahul's migration and return as outlined in Article 6. It does not provide the necessary details regarding the timing of Rahul's migration and return, making it insufficient to determine his citizenship status under Article 6.

71. Correct Answer: (a) Yes, Ramesh can regain Indian citizenship since he returned to India after migrating to Pakistan before March 1, 1947.

Reference: Article 7 dealt with the citizenship of individuals who migrated to Pakistan from India, classifying them into two categories based on their migration dates. Those who left India for Pakistan before March 1, 1947, were not considered Indian citizens, while those who returned to India after migrating to Pakistan could regain citizenship under specific conditions.

Difficulty Level: Moderate

Explanation:

(a) Correct: According to Article 7 of the Constitution, individuals who migrated to Pakistan before March 1, 1947, and later returned to India are eligible to regain Indian citizenship. In the given scenario, Ramesh left India for Pakistan before the specified date, and as he returned, he falls under the category that allows him to regain Indian citizenship. Therefore, option (a) is correct.

(b) Incorrect: The passage does not provide any indication that the return date plays a role in the eligibility to regain Indian citizenship for those who migrated before March 1, 1947. As such, option (b) is incorrect as it introduces a criterion not mentioned in the passage.

(c) Incorrect: The passage does not mention the necessity of obtaining a special permit for resettlement as a condition for regaining Indian citizenship after returning from Pakistan. Option (c) introduces an additional requirement not supported by the information in the passage, making it incorrect.

(d) Incorrect: The passage does state that individuals who migrated voluntarily to Pakistan after March 1, 1947, are not considered Indian citizens. However, it does not explicitly cover Ramesh's scenario where he left before the specified date and later returned. Therefore, option (d) is incorrect as it misinterprets the conditions outlined in the passage.

72. Correct Answer: (b)

Reference: "Article 8 focused on persons of Indian origin residing outside India (excluding Pakistan), outlining conditions for acquiring citizenship through registration."

Difficulty Level: Moderate

Explanation:

(a) Incorrect - Despite Swagat's commendable cultural contributions to the Indian diaspora in the United States, Article 8 explicitly underscores the importance of meeting residence requirements for eligibility for Indian citizenship through registration. Swagat, having not resided in India during the specified period, falls short of satisfying this crucial criterion. The emphasis on residence requirements highlights the significance of a physical presence in India as a fundamental condition for acquiring citizenship.

(b) Correct - The accuracy of this statement stems from the explicit details provided in the passage. Article 8, as elucidated in the passage, mandates individuals to fulfill the residence requirement as a prerequisite for eligibility to acquire Indian citizenship through registration.

Swagat, having not met this stipulated residence criterion, aligns with the conditions outlined in the constitutional provision.

(c) Incorrect - The passage does not provide any indication of a provision allowing individuals to meet the residence requirement after the application for citizenship through registration. Swagat's potential eligibility hinges on his fulfillment of the residence condition before the application, making this option inconsistent with the information provided.

(d) Incorrect - The passage unambiguously asserts that Swagat is ineligible for Indian citizenship through registration due to his failure to meet the residence requirement. Additionally, the passage dismisses the notion that Swagat's cultural contributions to the Indian diaspora in the U.S. would impact his eligibility. The emphasis is consistently placed on the residence criterion as the deciding factor in this context.

73. Correct Answer: (a)

Reference: "Articles 9 and 10 addressed scenarios involving voluntary acquisition of foreign citizenship and the continuation of citizenship rights, respectively."

Difficulty Level: Easy

Explanation:

(a) Correct - The passage clearly states that Article 9 addresses scenarios involving the voluntary acquisition of foreign citizenship, while Article 10 pertains to the continuation of citizenship rights.

(b) Incorrect - While Article 9 does address the voluntary acquisition of foreign citizenship, Article 10 specifically deals with the continuation of citizenship rights.

(c) Incorrect - The passage does not mention that Articles 9 and 10 focus on the revocation of Indian citizenship. Their primary emphasis is on voluntary acquisition and the continuation of citizenship rights.

(d) Incorrect - The correct allocation of roles is that Article 9 addresses voluntary acquisition of foreign citizenship, and Article 10 deals with the continuation of citizenship rights.

74. Ans – a

**New Rules for Citizenship:** The Central government has announced new rules for the Citizenship (Amendment) Act, 2019 (CAA), which changes the Citizenship Act of 1955.

**Who Benefits:** The CAA provides a faster path to Indian citizenship for Hindus, Sikhs, Christians, Buddhists, Jains, and Parsis who came to India from Pakistan, Bangladesh, or Afghanistan before December 31, 2014, because they faced religious persecution or feared it in their home countries.

**Old Rules:** The original Citizenship Act of 1955 allowed people to become Indian citizens in different ways, such as by being born in India, having Indian parents, or living in India for a certain number of years.

**New Provision:** Under the new 2019 amendment, people from the specified religions who came to India by the end of 2014 and experienced or feared religious persecution can now become Indian citizens more quickly.

75. Ans – c

Explanation:

Option C is correct because the CAA does not allow illegal migrants—those who entered India without valid documents or overstayed their permitted time—to acquire citizenship, regardless of their religion or entry date.

Option A is incorrect because the CAA does not offer citizenship to illegal migrants, even if they meet other criteria like religion and entry date.

Option B is incorrect because the Act's prohibition on illegal migrants means they must first resolve their status before applying for citizenship.

Option D is incorrect because the Act's prohibition on illegal migrants is not related to the timing of the application but to the migrant's legal status.

76. Ans – a

Option A is correct because Arjun meets the relaxed six-year residence requirement and does not need to provide a valid visa due to the prosecution history rule. He must still demonstrate continuous residence in India.

Option B is incorrect because the 2019 amendment allows for a relaxation of visa requirements in certain cases, including Arjun's, given his prosecution history.

Option C is incorrect because while the process is online, the requirement to provide documentation, such as proof of continuous residence, remains.

Option D is incorrect because the relaxed residence requirement applies to all eligible migrants who entered India before December 31, 2014, regardless of their prosecution history.

77. Ans – b

Option A is incorrect because Sonia will be considered a citizen from the date of her entry in 2012, not from the grant of citizenship in 2021. Legal proceedings related to her illegal entry will be closed.

Option B is correct because the law stipulates that citizenship is retroactive to the date of entry, and all legal proceedings related to illegal migration before the citizenship grant will be closed.



Option C is incorrect because, under the law, Sonia's citizenship is considered effective from her entry date, and legal proceedings regarding her illegal migration are automatically closed.

Option D is incorrect because Sonia's citizenship is retroactive to her entry date, and legal proceedings related to her illegal entry will be closed, not ongoing.

78. Ans -d

The Act allows the central government to cancel an Overseas Citizen of India (OCI) registration for a few reasons:

Fraud: If someone got their OCI registration by lying or using false information.

Criminal Conviction: If, within five years of getting the OCI, the person is sentenced to two or more years in prison.

National Security: If canceling the OCI is needed for the safety and security of India.

Legal Violations: If the person breaks any laws related to the OCI or other laws that the government has specified.

Before canceling an OCI registration, the person must be given a chance to explain or defend themselves.

79. Ans – b

The Telecommunications Act, 2023, repeals the Indian Telegraph Act, 1885, and the Indian Wireless Telegraph Act, 1933. Therefore, companies must comply with the new standards and procedures defined in the 2023 Act, and using outdated procedures from the repealed Acts would not be compliant with the new legal requirements.

80. Ans – d

Right of Way (RoW) Framework:

- Right of Way (RoW) allows telecom companies to install their infrastructure like cables and towers on both public and private properties.
- Public Property: The new rules include more types of public property, such as government agencies, local authorities, and projects managed by public-private partnerships (like airports and highways). These entities must usually allow telecom infrastructure unless there are special reasons not to.
- Fees: There is a limit on how much can be charged for using the right of way on public property

81. Ans – a

Right of Way (RoW) Framework:

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- Fees: There is a limit on how much can be charged for using the right of way on public property.
- Private Property: For private property, telecom companies must negotiate and agree with the property owner to set up their infrastructure.
- Non-Discriminatory: The rules ensure that access to right of way is fair and equal. Telecom companies should not be given exclusive access; they should share the space if possible.
- Infrastructure vs. Property: The telecom equipment installed should be separate from the property it is on. This helps avoid issues if the property is sold or rented out later.

82. Ans – a

key points from the Telecommunications Act, 2023:

1. Common Ducts and Cable Corridors: The law allows the Central Government to create shared pathways for cables and ducts. This is in line with the PM Gati Shakti vision, which aims to improve infrastructure and efficiency.
2. Telecommunication Standards: The Act gives the government the power to set and enforce standards for various aspects of telecommunications, including services, networks, and security. This helps ensure that telecom services are secure and meet national requirements while supporting local technology development.
3. National Security and Public Safety: The Act includes strong measures to protect national security and public safety. This means that the government can take necessary actions to ensure that telecommunications do not pose risks to the country's security or public well-being.

83. Ans – a

Explanation:

Option A is correct because, under the Telecommunications Act, 2023, even projects supported by government funds and initiatives aimed at public benefit must comply with the RoW framework, which requires agreements for using private and certain types of public properties.

Option B is incorrect as the Act does not provide explicit exemptions from RoW obligations, even for projects funded by the Universal Service Obligation Fund or those involving public interest.

Option C incorrectly suggests a differentiation between private and public properties that is not specified under the general RoW provisions of the Act.

Option D is incorrect because the Regulatory Sandbox allows for testing new technologies under controlled conditions but does not automatically exempt participants from fulfilling RoW agreements.

84. Answer:D

Reference Line:

"The X-37B's design... Its primary function is to deploy various payloads and conduct extensive technology experiments during prolonged orbital flights."

Explanation of Each Option:

Option A:

This option is incorrect because the passage states that the X-37B's primary function includes deploying various payloads and conducting technology experiments during prolonged orbital flights, not just limited to atmospheric re-entry and autonomous landing.

Option B:

The passage explicitly mentions that the X-37B does not use hydraulic systems for its operations. Instead, it employs electro-mechanical actuation for flight controls and braking mechanisms. Therefore, this statement is contrary to the information provided.

Option C:

This option is misleading. While the passage does state that this launch marks the first instance of the X-37B being carried by SpaceX's Falcon Heavy, it does not imply that this is the X-37B's first-ever deployment in a space mission. In fact, the spacecraft had previously been launched using other rockets, such as SpaceX's Falcon 9 and the Atlas V rocket.

Option D:

As per the passage, the X-37B is designed for deploying various payloads and conducting extensive technology experiments during prolonged orbital flights. This statement aligns with the information provided in the passage, making it the correct answer.

85. Answer:A

Reference Line:

"This launch is particularly noteworthy as it marks the first instance of the X-37B being carried by SpaceX's Falcon Heavy rocket."

Explanation of Each Option:

Option A:

This option directly challenges the passage's emphasis on the significance of the X-37B's launch on the Falcon Heavy. If the X-37B had already been launched on rockets with similar capabilities, the uniqueness of the Falcon Heavy launch is considerably diminished, weakening the author's argument about its significance.

Option B:

While this statement might suggest a lack of innovation in the X-37B's design, it does not specifically address the argument about the launch's significance on the Falcon Heavy. The passage focuses more on the launch event rather than the uniqueness of the spacecraft's design.

Option C:

The passage highlights the innovative use of electro-mechanical actuation in the X-37B. However, even if this feature is common in modern spacecraft, it does not directly weaken the argument about the significance of the launch on the Falcon Heavy, which is the main focus of the passage.

Option D:

This option challenges the potential reach of the X-37B beyond Earth's orbit. However, the passage's primary focus is on the significance of the launch on the Falcon Heavy, not on the unique capabilities of the spacecraft in terms of its orbital reach. Therefore, this option does not directly weaken the author's argument about the launch.

86. Answer: D .

Reference Line:

"The X-37B, a project shrouded in secrecy, is a product of the United States Department of Defense, with Boeing as its manufacturer."

Explanation of Each Option:

Option A:

While this option provides a possible purpose for the X-37B's secretive nature, it does not directly address the paradox between the spacecraft's secretive status and its highly publicized launch. The focus is more on the mission's objective rather than the paradox of its public launch.

Option B:

This option suggests a reason for the publicized launch but does not fully resolve the paradox of maintaining the secrecy of the X-37B while also publicly announcing its launch. It addresses only one aspect of the paradox.

Option C:

The capability of the X-37B to evade radar detection might contribute to its secretive nature, but it does not address the paradox of why its launch was publicized if the project is meant to be secret.

Option D:

This option directly addresses the paradox. The publicized launch of the X-37B on the Falcon Heavy does not compromise its secretive nature if the specific details of its payloads and mission objectives remain classified. This allows for a public demonstration of technological capability while maintaining the secrecy of the actual mission, thereby resolving the paradox.

87. Answer:C

Reference Line:

"There are indications that the X-37B's capabilities extend beyond Earth's orbit, potentially reaching as far as the Moon and Mars."

Explanation of Each Option:

Option A:

While the launch of the X-37B on SpaceX's Falcon Heavy does indicate collaboration between commercial space companies and the U.S. Department of Defense, the passage does not specifically suggest that this event will lead to increased collaboration. This option is more speculative than directly derived from the passage.

Option B:

The passage mentions that the X-37B's design echoes the era of the space shuttle, but it does not explicitly state that the X-37B or similar spacecraft are being developed to replace the traditional space shuttle. This option extrapolates beyond the information provided.

Option C:

Given the X-37B's advanced capabilities and its potential reach beyond Earth's orbit, it is reasonable to infer that one of the outcomes could be enhanced capabilities in space-based intelligence and reconnaissance. This aligns with the passage's emphasis on the X-37B's advanced technology and extended operational range.

Option D:

The passage does not provide sufficient information to conclude that there will be a shift in the primary focus of space exploration from manned to unmanned missions. While the X-37B is an unmanned spacecraft, the passage does not suggest a broader trend or shift in space exploration focus.

88. Answer:B

Reference Line:

"Remarkably, this spacecraft is engineered to re-enter the atmosphere and land autonomously on a runway, akin to an airplane."

Explanation of Each Option:

Option A:

While the X-37B's construction using space-grade composite material is mentioned as offering a lighter alternative to traditional aluminum, the autonomous landing capability is not directly linked to the reduction of the spacecraft's weight in the passage.

Option B:

The ability of the X-37B to autonomously land on a runway suggests a design focused on reusability. This feature is critical in modern space missions where reducing costs and increasing the frequency of missions are key objectives.

Option C:

There is no direct mention or implication in the passage that the autonomous landing capability of the X-37B is related to environmental sustainability in space technology.

Option D:

While autonomous landing might enhance safety, the passage does not specifically state that this is the primary reason for its inclusion in the X-37B's design.

89. Answer:c

Reference Line:

"In the United States, for instance, it costs the U.S. Mint more than one cent to produce a single penny. This inefficiency is magnified when considering the vast number of pennies minted annually."

Explanation of Options:

a) This option is incorrect because the passage does not establish that the sentimental and historical value of the penny is more significant than its practical utility. While the passage mentions the sentimental value and historical significance of the penny, it does not suggest that these factors outweigh its practical utility.

b) This option is also incorrect. The passage mentions that the penny plays a role in charitable activities and coin collecting, but it does not explicitly state that these roles justify the cost of producing the penny. The passage presents these aspects as part of the debate but does not conclude that they provide sufficient justification for the penny's production costs.

c) This is the correct answer. The passage explicitly mentions the inefficiency of producing the penny, particularly highlighting that it costs more to produce a penny than its face value. This inefficiency, coupled with the large quantity produced, suggests an underlying assumption that such inefficiency necessitates the penny's elimination from circulation.

d) This option is incorrect as the passage does not make a definitive assumption that the move towards digital payments and cashless transactions will necessarily render physical currency obsolete. While the passage mentions this transition, it is presented more as a contextual factor in the broader debate rather than an underlying assumption about the penny's future.

90. Answer:b

Reference Line:

"The penny, they argue, is not just a piece of currency but a symbol of a nation's heritage and culture."

Explanation of Options:

a) This option is incorrect. The passage does not infer that the penny is indispensable to modern financial systems. While it mentions historical significance, it does not link this to being an indispensable component of financial systems.

b) This is the correct answer. The passage explicitly mentions that supporters of the penny view it as a symbol of national heritage and culture, indicating its role is more symbolic and sentimental rather than based on economic utility.

c) This option is incorrect. The passage actually suggests the opposite, noting that the cost of producing a penny often surpasses its face value, which implies that it is not a profitable venture.

d) While the passage mentions that penny drives and donations are crucial for many charitable organizations, it does not infer that the penny is essential for their survival. This option overstates the role of the penny in the context of charitable organizations.

91. Answer:c

Reference Line:

"Opponents of the penny argue that its diminishing purchasing power, due to inflation, renders it nearly obsolete in everyday transactions."

Explanation of Options:

- a) The passage does not suggest that opponents completely disregard the historical and cultural significance; rather, they focus more on the economic aspects.
- b) While environmental concerns are mentioned, they are not presented as the central assumption of the opponents' argument.
- c) The focus on the penny's diminishing purchasing power and inefficiency in transactions implies that practical utility is prioritized over sentimental value.
- d) The passage does not indicate that digital transactions replacing physical currency is a core assumption in the argument against the penny.

92. Answer: b

Reference Line:

"Public sentiment is divided, with some advocating for its removal due to practical and financial reasons, and others supporting its preservation for sentimental and historical purposes."

Explanation of Options:

- a) The passage does not suggest indifference but rather a division in opinion.
- b) The passage explicitly states that public opinion is divided with strong arguments on both sides of the debate.
- c) While economic inefficiency is a factor, the passage does not claim it as the majority view.
- d) The passage indicates that historical significance is a factor, but it does not state that this is the predominant public opinion.

93. Answer: c

Explanations:

A) Eliminating the penny could lead to significant cost savings for the government.

Incorrect - The author suggests that proponents of eliminating the penny argue that resources used for its production could be better allocated elsewhere, potentially leading to government cost savings. Therefore, the author is likely to agree with this statement.

B) The penny holds significant sentimental and historical value for many people.

Incorrect - The passage describes how supporters of the penny emphasize its sentimental and historical value, indicating that the author acknowledges and likely agrees with the idea that the penny has cultural importance.

C) Phasing out the penny would have negligible environmental benefits.



Correct - The author discusses the environmental costs of producing pennies, including the mining and processing of materials and the transportation of large quantities of pennies. Thus, the author would likely disagree with the statement that phasing out the penny would have negligible environmental benefits, as the discussion implies the opposite.

D) The penny is becoming less useful in everyday transactions due to inflation.

Incorrect - The passage clearly states that opponents of the penny argue its diminishing utility in everyday transactions due to inflation, which the author presents as a valid point. Thus, the author would likely agree with this statement.

94. Answer:d

Reference Line:

"The restructuring of quiz schedules, with half due by mid-term and the rest towards the semester's end, promotes consistent student engagement and provides regular feedback, essential for cognitive development."

Explanation of Options:

Option a) This option is misleading. While the use of technological tools is a part of online teaching, the passage emphasizes the importance of planning and structuring (like staggered quiz deadlines) rather than just the use of technology. The passage does not specifically state that cognitive presence is primarily enhanced through technological tools.

Option b) This option is incorrect. The passage highlights the need for a paradigm shift in online education, suggesting a departure from traditional classroom methods rather than replicating them. It emphasizes unique strategies tailored to online teaching, such as pre-course material accessibility and proactive social engagement, which are not direct replicas of in-person teaching methods.

Option c) This option is contrary to the passage. The passage underscores the importance of establishing a social presence before the course begins as a crucial element, not as a secondary aspect. It details proactive engagement with students through welcome emails and videos, indicating that social presence is a fundamental component of effective online teaching.

Option d) This is the correct answer. The passage explicitly mentions the importance of structured scheduling and regular feedback, as seen in the restructuring of quiz schedules and the provision of regular feedback. This approach is described as essential for fostering a conducive learning environment, aligning with the statement in this option.

95. Answer:c

Reference Line:

"The second lesson focuses on establishing a social presence before the course begins. This is achieved through initial engagement with students via welcome emails, introductory videos, and encouraging student interactions through video responses. This proactive

approach helps in alleviating student anxieties and fosters a sense of community, crucial for group assignments and collaborative projects."

Explanation of Options:

Option a) This option is misleading. While technological aspects might be a part of the initial engagement, the passage does not emphasize this as the primary intent. The focus, as stated in the passage, is more on social presence and community building rather than on introducing technology.

Option b) This option is incorrect. The passage does not suggest that the initial engagement strategies are primarily aimed at establishing academic rigor and discipline. Instead, it emphasizes the role of these strategies in creating a welcoming and inclusive environment, which indirectly supports academic success.

Option c) This is the correct answer. The passage explicitly mentions that the initial engagement strategies, including welcome emails and videos, are aimed at establishing a social presence, alleviating student anxieties, and fostering a sense of community. This approach is crucial for the success of group assignments and collaborative projects, indicating its central role in the online learning environment.

Option d) This option is contrary to the passage. The initial engagement strategies are described as proactive and crucial for the course's success, particularly in building a social presence and community. The passage implies that these strategies have a significant impact on the overall effectiveness of the course, not just a formal requirement with minimal impact.

96. Answer:a

Reference Line:

"The first lesson in redefining online course preparation revolves around planning for teaching presence. This involves making all course materials, including assignments and activities, accessible from the first day."

Explanation of Options:

Option a) This option directly supports the author's argument. The passage emphasizes the importance of making all course materials accessible from the first day to establish a strong teaching presence. If it's true that students perform better academically with early access to materials, this fact would significantly strengthen the author's stance on the necessity of comprehensive pre-course preparation.

Option b) This option would actually weaken, not strengthen, the author's argument. The passage argues for the unique importance of online course preparation, distinct from traditional in-person methods. Suggesting that in-person methods are more effective contradicts the author's premise.

Option c) While this option supports the importance of social engagement in online courses, it does not directly strengthen the author's argument about comprehensive pre-course

preparation. The passage does emphasize social presence, but this option is more about the consequences of lacking social engagement rather than the benefits of pre-course planning.

Option d) This option would weaken the author's argument. The passage advocates for meticulous pre-course planning in online education. If most educators prefer adapting methods during the course, it would suggest a disconnect between the author's recommendations and actual teaching practices, thereby undermining the argument.

97. Answer: c

Reference Line:

"In the realm of online education, a paradigm shift in course preparation is essential, diverging significantly from traditional in-person teaching methods."

Explanation of Options:

Option a) This option is contrary to the passage. The author emphasizes the need for comprehensive preparation, which implies that online learners require adequate, if not more, academic support.

Option b) This option is misleading. While technology is a part of online education, the passage focuses more on the planning process and teaching methods rather than just the technological tools.

Option c) This is the correct answer. The passage begins by stating the need for a paradigm shift in online education, suggesting that effective online teaching requires a different approach than traditional in-person methods.

Option d) This option is incorrect. The passage does not suggest that online courses lack the capability for strong teacher-student relationships. Instead, it focuses on how to effectively establish such relationships through different means like social presence.

98. Answer: a

Explanations:

A) A business implementing a new software system company-wide requires extensive initial training and ongoing support to ensure all employees are proficient and can effectively use the system.

Correct - Similar to the comprehensive pre-course preparation and proactive engagement described in the passage for online education, this scenario involves meticulous planning and initial setup followed by continued support, aligning well with the approach advocated by the author.

B) A city planning to revamp its public transportation system by gradually introducing new routes and making adjustments based on commuter feedback over time.

Incorrect - This approach of making ongoing adjustments based on feedback is contrary to the author's emphasis on comprehensive pre-planning and structured implementation in online education, which seeks to minimize the need for mid-course corrections.

C) A restaurant deciding to change its menu every week based on seasonal ingredients available, adapting quickly to supplier availability and customer preferences.

Incorrect - This scenario involves continuous adaptation and flexibility, which contrasts with the structured and pre-planned approach in online education as described in the passage, where changes are minimized by thorough initial planning.

D) A construction firm planning a large project by outlining all phases of construction in detail before beginning, ensuring all materials and workforce are ready from the start.

Incorrect - While this scenario does involve detailed pre-planning, it lacks the ongoing engagement and interactive elements emphasized in the author's approach to online education, where maintaining a dynamic interaction with students is a key component.

99. Answer: c

Reference Line

"In essence, 'Marriage is a Private Affair' is a narrative that underscores the sanctity of personal choice in marriage, irrespective of cultural barriers."

Explanation of Each Option:

a) This option is true and can be inferred from the passage. Okeke's adherence to traditional tribal marriage customs and his refusal to accept Nnaemeka's marriage due to tribal differences are clear indications of how his traditional beliefs shape his decisions. The passage explicitly mentions Okeke's unwavering belief in traditional customs.

b) This option is also true. The marriage between Nnaemeka and NeNe, belonging to different tribes, and their decision to live together in Lagos despite Okeke's disapproval, represent a challenge to the established tribal and cultural norms. The narrative highlights their love and union as a stand against these traditional barriers.

c) This option is false and cannot be inferred from the passage. In fact, the narrative emphasizes the opposite: the importance and sanctity of personal choice and love in marriage over cultural and familial expectations. The passage clearly states that the story underscores the sanctity of personal choice in marriage, irrespective of cultural barriers.

d) This option is true. Okeke's gradual softening and eventual acceptance of his son's marriage, especially after learning about his grandsons, indicate a shift in his traditional views. This change reflects the narrative's theme of the evolving nature of thought across generations and the possibility of reconciling traditional beliefs with modern values.

100. Answer: b

Reference Line:

"The narrative takes a poignant turn when NeNe, enduring social ostracism in Lagos due to her tribal identity, reaches out to Okeke. She informs him of his grandsons' desire to meet him, stirring a tumult of emotions in Okeke."

Explanation of Each Option:

- a) This option is not necessarily true based on the passage. The story of Nnaemeka and NeNe shows that despite cultural and tribal differences, their relationship perseveres. The narrative does not suggest that these differences are insurmountable but rather presents them as challenges that can be overcome.
- b) This option is true and aligns with the passage. Okeke's change of heart upon learning about his grandsons demonstrates how familial love and bonds can challenge and potentially change long-held beliefs and traditions. The story illustrates that these bonds have the power to soften and transform traditional views.
- c) While the story does highlight the importance of personal choice in marriage, it does not necessarily suggest that personal happiness in marriage is completely independent of familial approval or cultural acceptance. The narrative shows that these factors are significant and can impact the characters' lives, even though they may not be the ultimate deciding factors.
- d) This option is not supported by the passage. While NeNe faces social ostracism due to her tribal identity, the story does not indicate that this is a permanent or unchangeable condition. Instead, the narrative focuses on the dynamics of personal relationships and familial bonds, suggesting the possibility of change and acceptance over time.

101. Answer: b

Reference Line: "The story is a testament to the enduring power of familial love, capable of overcoming even the most entrenched cultural and generational divides."

Explanation of Each Option:

- a) Incorrect. The passage shows Okeke eventually softening, suggesting that traditional beliefs can change.
- b) Correct. The narrative illustrates how familial love, particularly Okeke's feelings towards his grandchildren, can transcend cultural and generational barriers.
- c) Incorrect. The passage does not claim universal acceptance of love as the basis for marriage but highlights its importance.
- d) Incorrect. While cultural differences are a significant factor, the passage does not imply they are the only reason for conflicts.

102. Answer: a

Explanations:

A) Research shows that most families involved in intertribal marriages experience long-term divisions that are rarely resolved, even with the involvement of grandchildren.

Correct - This would directly weaken the author's argument by suggesting that the transformative power of love and the influence of familial bonds, as depicted through the grandchildren's desire to meet their grandfather, are often ineffective in overcoming entrenched cultural and familial divisions.

B) A study finds that in many cultures, traditional values and norms are rapidly being replaced by modern ideals, leading to easier acceptance of intertribal marriages.

Incorrect - This statement would actually strengthen the author's argument by supporting the idea that cultural norms are evolving and that love can transcend traditional barriers.

C) Evidence suggests that the involvement of grandchildren often strengthens familial bonds and leads to reconciliation in families divided by cultural differences.

Incorrect - This statement supports the author's portrayal of the story's outcome where familial love overcomes traditional opposition, reinforcing rather than weakening the argument.

D) Surveys indicate that the majority of intertribal couples find acceptance within their communities, reducing the impact of familial opposition on their relationships.

Incorrect - While this suggests a broader acceptance of intertribal marriages, it doesn't directly address the specific dynamics of familial ties and their capacity to change entrenched attitudes, which is central to the author's argument in the narrative.

103. Answer: b

Explanations:

A) Cultural traditions are essential and should be preserved even if they cause familial conflicts.

Incorrect - The narrative in "Marriage is a Private Affair" challenges the rigidity of traditional customs, particularly when they lead to familial strife and prevent individuals from following their personal happiness.

B) Education and exposure to different cultures are key to reducing misunderstandings in intertribal marriages.

Correct - This statement aligns with the author's depiction of NeNe and Nnaemeka's situation, where overcoming cultural prejudices and embracing personal choices lead to a fuller understanding and potentially the resolution of familial conflicts.

C) Overcoming cultural differences is less important than maintaining family relationships by adhering to traditional values.

Incorrect - The story demonstrates the opposite, as it highlights the importance of overcoming cultural barriers to foster personal relationships, even at the cost of traditional values.

D) Generational conflicts over marriage decisions are inevitable and rarely resolved satisfactorily.

Incorrect - Although the story does depict generational conflict, it also suggests the possibility of reconciliation and the softening of traditional stances, indicating that such conflicts, while challenging, can be resolved positively.

104. Answer: a.

Reference Line:

"Unlike its reaction to Canada's allegations, New Delhi has refrained from public rhetoric or media targeting of Doha, a strategy that could have been detrimental."

Explanation of Options:

Option a:

This option is correct as it aligns with the author's observation that the Indian government has chosen a path of diplomatic discretion in dealing with the case of the eight naval personnel. The author notes that, in contrast to its approach in other international disputes, the Indian government has avoided public rhetoric and media targeting, indicating a preference for a more discreet and diplomatic approach in sensitive matters.

Option b:

This option is incorrect because the author does not suggest that the Indian government's efforts are primarily driven by public opinion or media pressure. Instead, the author highlights the government's avoidance of public rhetoric and media targeting, suggesting a strategy that is not swayed significantly by public or media influence.

Option c:

This option is incorrect as the author does not provide evidence of inconsistency in the Indian government's approach to international legal issues. The focus of the passage is on a specific case, and the author commends the government's approach in this instance, without comparing it to a broad range of other cases.

Option d:

This option is incorrect because the author does not claim that the Indian government relies solely on high-level political interventions in all cases. While the article mentions Prime Minister Modi's interaction with the Qatari leadership, it does not suggest that this is the sole or primary approach in all international legal disputes. The emphasis is on a balanced approach involving diplomatic efforts at various levels.

105. Answer:a.

Reference Line:

"The timing of this judicial decision is noteworthy, coming shortly after Prime Minister Narendra Modi's first public interaction with the Qatari leadership at COP28 on December 1."

Explanation of Options:

Option a:

This option is correct as it aligns with the author's implication that the Indian government's diplomatic engagement, exemplified by Prime Minister Modi's interaction with the Qatari leadership, could lead to stronger bilateral relations. This engagement, particularly in a sensitive legal matter, suggests a foundation for future collaborative efforts between the two nations.

Option b:

This option is incorrect because the author does not suggest that India's approach in this case would set a precedent for other countries. The focus is on the specific context of India-Qatar relations and does not imply a broader international expectation.

Option c:

This option is incorrect as the author notes the Indian government's avoidance of public rhetoric and media targeting, which suggests a strategy to minimize public and media criticism. The passage does not indicate an increase in criticism but rather a careful approach to handling sensitive international legal cases.

Option d:

This option is incorrect because the author does not indicate a shift in the Indian government's overall policy towards prioritizing high-level political interventions in all international legal disputes. The passage describes a specific case and the government's approach to it, without suggesting a broader policy shift for all future cases.

106. Answer :a

-Reference Line:

"New Delhi has refrained from public rhetoric or media targeting of Doha, a strategy that could have been detrimental."

Explanation of Options:

Option a:

This option is correct as the author would likely disagree with the suggestion that the Indian government should have taken a more aggressive public stance. The author commends the



government's approach of refraining from public rhetoric or media targeting, implying that a more aggressive stance could have been counterproductive.

Option b:

This option is incorrect because the author does not express any skepticism about the effectiveness of diplomatic engagement with Qatar's ruling Emir. The passage suggests that this is one of the potential courses of action, without implying it to be futile.

Option c:

This option is incorrect as the author mentions the possibility of the convicted men serving their sentences in India as a viable option under the bilateral agreement. This suggests that the author views such agreements as effective tools in international legal matters.

Option d:

This option is incorrect because the author explicitly states the need for a thorough review of India's intelligence operations in cases that might endanger Indians abroad. The author would likely agree with this statement, as it aligns with the caution advised in the passage regarding the potential risks of intelligence operations.

107. Answer: d

Explanation:

Option a: The passage does not imply that this case will significantly alter India's overall foreign policy.

Option b: While the passage discusses the government's approach in this specific case, it does not imply a broader trend in all international legal strategies.

Option c: The government's decision to avoid public rhetoric does not indicate a lack of concern; rather, it suggests a strategic approach.

Option d: The passage implies that the government's diplomatic efforts, including engagement with Qatar's ruling Emir and exploring legal options, are aimed at achieving a favorable outcome for the convicted individuals.

108. Answer: c

Explanations:

A) The Indian government should have acted sooner with a high-level mission to Doha following the arrest of the naval personnel.

Incorrect - The passage mentions this as a debatable point but does not assert it as a definite action that should have been taken.

B) The reduction in sentences for the eight Indian naval personnel was a direct result of Prime Minister Narendra Modi's recent interactions with Qatari leadership.

Incorrect - The passage notes the timing of the judicial decision and Modi's interaction but does not directly assert causation between the two events.

C) The Indian government has managed its diplomatic relations with Qatar effectively, avoiding public confrontations.

Correct - The passage asserts that the Indian government's approach has been commendable and highlights its avoidance of public rhetoric or media targeting of Doha, indicating effective management of diplomatic relations.

D) The Indian government has failed to adequately protect its citizens abroad, leading to unnecessary legal complications.

Incorrect - The passage does not make this assertion; instead, it discusses the ongoing diplomatic efforts and legal strategies without critiquing them as failures.

Common Solution [109-114]

Let number of males in society 'A' be 'x'

So, number of females in society 'A' =  $1.35 \times x = 1.35x$

So,  $x + 1.35x = 1880$

Or,  $2.35x = 1880$

Or,  $x = 800$

Number of males in society 'A' = 800

Number of females in society 'A' =  $1880 - 800 = 1080$

Number of females in society 'B' =  $1.20 \times 800 = 960$

Number of males in society 'B' =  $\frac{3}{4} \times 960 = 720$

Total population of society 'B' =  $960 + 720 = 1680$

Number of males in society 'C' =  $640 \times \frac{3}{8} - 800 - 720 = 400$

Number of females in society 'C' =  $\frac{7}{12} \times 960 = 560$

Total population of society 'C' =  $400 + 560 = 960$

Society	Number of males	Number of females	Total population
A	800	1080	1880
B	720	960	1680
C	400	560	960

109. A  
= 1680

110. D  
= 400:560 = 5:7

111. B

$$= (800-720)/800 \times 100 = 10\%$$

112. A

$$\text{Population of D} = 1200 \times 2 - 960 = 1440$$

113. C

$$= (1080+960)/2 = 1020$$

114. B

$$\text{Percentage of females} = 560/960 \times 100 = 58.33\% \text{ (approx)}$$

Solution [115-120]

The number of cars manufactured by Toyota of type B = 450

Total of the number of cars manufactured by Toyota of type A and B together =  $470 \times 2 = 940$

The number of cars manufactured by Toyota of type A =  $940 - 450 = 490$

The number of cars manufactured by Ford of type B = 370

Total of the number of cars manufactured by all companies of type B =  $380 \times 3 = 1140$

The number of cars manufactured by Hyundai of type B =  $1140 - 450 - 370 = 320$

The number of cars manufactured by Ford of type A =  $320 \times 125\% = 400$

The number of cars manufactured by Hyundai of type A =  $490/7 \times 5 = 350$

115. Required number of cars manufactured by Toyota of type A = 490

Hence, option c.

116. Required average =  $(400+370)/2 = 385$

Hence, option d.

117. The number of cars sold by Hyundai of type B =  $320 \times 65\% = 208$

The number of cars that are not sold by Hyundai of type B =  $320 - 208 = 112$  Hence, option b.

118. The number of cars manufactured by Tata of type A =  $450 \times 120\% = 540$  Hence, option b.

119. Required ratio =  $320:400 = 4:5$

Hence option a.

120. Toyota manufactures 490 type A cars, while Hyundai manufactures 320 type B cars.

The difference is  $(490-320) = 170$  Units.

Hence option c.