

## CAT VARC Slot 1 2018 Question Paper With Solutions

<b>Time Allowed :3 Hours</b>	<b>Maximum Marks :60</b>	<b>Total questions :34</b>
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### General Instructions

**Read the following instructions very carefully and strictly follow them:**

1. Please check that this question paper contains 19 printed pages.
2. Please check that this question paper contains 34 questions.
3. Q.P. Code given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
4. Please write down the Serial Number of the question in the answer- book at the given place before attempting it.
5. This Question Paper has 34 questions. All questions are compulsory.
6. Adhere to the prescribed word limit while answering the questions.

## Plastic Pollution

The only thing worse than being lied to is not knowing you're being lied to. It's true that plastic pollution is a huge problem, of planetary proportions. And it's true we could all do more to reduce our plastic footprint. The lie is that blame for the plastic problem is wasteful consumers and that changing our individual habits will fix it.

Recycling plastic is to saving the Earth what hammering a nail is to halting a falling skyscraper. You struggle to find a place to do it and feel pleased when you succeed. But your effort is wholly inadequate and distracts from the real problem of why the building is collapsing in the first place. The real problem is that single-use plastic—the very idea of producing plastic items like grocery bags, which we use for an average of 12 minutes but can persist in the environment for half a millennium—is an incredibly reckless abuse of technology. Encouraging individuals to recycle more will never solve the problem of a massive production of single-use plastic that should have been avoided in the first place. As an ecologist and evolutionary biologist, I have had a disturbing window into the accumulating literature on the hazards of plastic pollution. Scientists have long recognized that plastics biodegrade slowly, if at all, and pose multiple threats to wildlife through entanglement and consumption. More recent reports highlight dangers posed by absorption of toxic chemicals in the water and by plastic odors that mimic some species' natural food. Plastics also accumulate up the food chain, and studies now show that we are likely ingesting it ourselves in seafood. . . .

Beginning in the 1950s, big beverage companies like Coca-Cola and Anheuser-Busch, along with Phillip Morris and others, formed a non-profit called Keep America Beautiful. Its mission is/was to educate and encourage environmental stewardship in the public. . . . At face value, these efforts seem benevolent, but they obscure the real problem, which is the role that corporate polluters play in the plastic problem. This clever misdirection has led journalist and author Heather Rogers to describe Keep America Beautiful as the first corporate greenwashing front, as it has helped shift the public focus to consumer recycling behavior and actively thwarted legislation that would increase extended producer responsibility for waste management. . . . [T]he greatest success of Keep America Beautiful has been to shift the onus of environmental responsibility onto the public while

simultaneously becoming a trusted name in the environmental movement. . . .

So what can we do to make resolve use of plastic a reality? First: reject the lie. Litterbugs are not responsible for the global ecological disaster of plastic. Humans can only function to the best of their abilities, given time, mental bandwidth and systemic constraints. Our huge problem demands the establishment of a permissive legal framework that has solved the causes of plastic pollution, despite clear evidence of the harm it causes to local communities and the world's oceans. Recycling is also too hard in most parts of the U.S. and lacks the proper incentives to make it work well.

**Q1 Which of the following interventions would the author most strongly support?**

- (A) recycling all plastic debris in the seabed.
- (B) having all consumers change their plastic consumption habits.
- (C) completely banning all single-use plastic bags.
- (D) passing regulations targeted at producers that generate plastic products.

**Correct Answer:** (D) passing regulations targeted at producers that generate plastic products.

**Solution:**

The author of the passage critiques the idea of focusing on individual actions, such as recycling plastic or changing personal consumption habits, as these efforts do little to address the root cause of the plastic problem. The solution that the author would most strongly support is passing regulations targeted at producers that generate plastic products.

The argument against recycling is that it merely addresses a symptom of the problem (plastic waste) rather than the underlying issue, which is the production of vast amounts of single-use plastics by corporations. By encouraging the recycling of plastic and focusing on individual consumer responsibility, we are neglecting the main issue: the continuous production of plastic at a massive scale.

The real solution, according to the author, lies in holding producers accountable for the plastic they generate. This involves creating and enforcing legislation that would reduce the production of single-use plastic and push manufacturers to adopt more sustainable practices. This solution targets the actual source of plastic pollution—corporations that profit from producing plastic—and proposes a systemic change rather than focusing on consumer

behavior, which the author views as inadequate.

### Quick Tip

The author believes that the solution to plastic pollution lies in regulating corporate producers rather than shifting responsibility to individual consumers.

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**Q2 The author lists all of the following as negative effects of the use of plastics**

**EXCEPT the:**

- (A) slow pace of degradation or non-degradation of plastics in the environment.
- (B) air pollution caused during the process of recycling plastics.
- (C) poisonous chemicals released into the water and food we consume.
- (D) adverse impacts on the digestive systems of animals exposed to plastic.

**Correct Answer:** (B) air pollution caused during the process of recycling plastics.

**Solution:**

The author highlights several serious consequences of plastic use, emphasizing its environmental and biological impacts. Plastics degrade slowly, if at all, which results in their persistence in ecosystems for centuries. This leads to environmental damage, as plastics accumulate in landfills, oceans, and other natural environments.

The passage also discusses the harmful chemicals released by plastics when they break down in the environment, which are absorbed by wildlife, affecting ecosystems and entering the food chain. The chemicals are toxic and can lead to serious health problems for both wildlife and humans.

Additionally, the author mentions that plastics have significant adverse effects on animals, especially those that ingest plastic. Plastics disrupt their digestive systems and can cause injuries or even death. As plastics accumulate up the food chain, they pose further risks to human health, as we may consume seafood contaminated with plastic particles.

However, the author does not mention air pollution as a negative effect of recycling plastics. While recycling is often seen as a solution, the passage focuses on the more pressing issues caused by the production and improper disposal of plastics, rather than the environmental problems associated with the recycling process itself. Recycling, according to the author,

does not solve the larger problem of plastic waste accumulation and pollution.

Therefore, the correct answer is (B), as the air pollution caused during recycling is not listed among the primary issues discussed by the author. The emphasis is on the physical, chemical, and biological harm caused by plastics, rather than issues related to recycling.

#### Quick Tip

The author focuses on the environmental and biological impacts of plastic, but does not mention air pollution caused by recycling.

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### Q3 In the first paragraph, the author uses "lie" to refer to the:

- (A) blame assigned to consumers for indiscriminate use of plastics.
- (B) understatement of the enormity of the plastics pollution problem.
- (C) fact that people do not know they have been lied to.
- (D) understatement of the effects of recycling plastics.

**Correct Answer:** (A) blame assigned to consumers for indiscriminate use of plastics.

#### **Solution:**

In the first paragraph of the passage, the author critiques a pervasive and misleading narrative surrounding plastic pollution. The term "lie" is specifically used to describe the false narrative that places the blame for plastic pollution solely on individual consumers. The author argues that this narrative is misleading and deflects attention away from the actual root cause of the problem: corporate producers of plastic.

The author mentions that the "lie" refers to the false claim that consumers are the primary drivers of plastic pollution because of their indiscriminate use of plastic. While it is true that individual consumption habits contribute to the accumulation of plastic waste, the larger issue is the massive production of single-use plastics by corporations. These companies produce plastics in enormous quantities, pushing them into the market, often without sufficient consideration for their long-term environmental impact. The consumer habits that are blamed are, therefore, not the main issue.

The author emphasizes that while individual behavior change, such as recycling or reducing plastic use, is important, it is insufficient on its own to solve the plastic pollution crisis. The

focus should be on regulating the production and disposal of plastic by corporations who manufacture these products in vast quantities, often with little regard for the long-term environmental consequences. Thus, the "lie" in the passage is that the responsibility for plastic pollution is shifted onto the consumers, obscuring the far more significant role played by plastic producers.

This analysis points to the systemic nature of the problem, where a larger, more structured solution is needed, focusing on corporate accountability rather than relying on individual behavior changes alone.

#### Quick Tip

The "lie" refers to the false narrative that blames consumers for the plastic crisis, while the true problem lies in corporate plastic production.

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**Q4 In the second paragraph, the phrase "what hammering a nail is to halting a falling skyscraper" means:**

- (A) relying on emerging technologies to mitigate the ill-effects of plastic pollution.
- (B) encouraging the responsible production of plastics by firms.
- (C) focusing on consumer behaviour to tackle the problem of plastics pollution.
- (D) focusing on single-use plastic bags to reduce the plastics footprint.

**Correct Answer:** (C) focusing on consumer behaviour to tackle the problem of plastics pollution.

**Solution:**

The phrase "what hammering a nail is to halting a falling skyscraper" serves as a powerful metaphor used by the author to highlight the futility of focusing on certain interventions, such as changing consumer behavior, in solving the much larger problem of plastic pollution. The metaphor likens these individual actions to trying to stop a falling skyscraper by hammering a nail into a piece of wood. Clearly, hammering a nail would do nothing to halt a building's collapse, just as focusing solely on consumer behavior—such as encouraging people to reduce plastic use or recycle more—does little to address the massive scale of plastic production and waste generation.

The author is drawing attention to the inadequacy of consumer-level actions in the face of the overwhelming amount of plastic being produced by corporations. The real problem lies in the industrial-scale production of plastic, particularly single-use plastic products, which are designed for immediate disposal. While individual actions such as recycling are well-intentioned, they ultimately distract from the much larger issue: the uncontrolled and reckless production of plastic.

By using this metaphor, the author emphasizes that without addressing the root cause—the mass production of plastic by corporations—consumer behavior will not significantly mitigate the issue. The problem is systemic, and the solution requires a larger, structural change in the way plastics are produced and disposed of.

The metaphor, therefore, reinforces the author’s argument that focusing on individual actions, like recycling or reducing plastic use, is analogous to an ineffective and trivial response to a much more significant and pressing crisis. The scale and nature of plastic pollution require systemic action, particularly from those responsible for producing the materials.

#### Quick Tip

The metaphor emphasizes that individual efforts, such as consumer behavior changes, are insufficient to solve the vast problem of plastic pollution.

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**Q5 It can be inferred that the author considers the Keep America Beautiful organisation:**

- (A) a "greenwash" because it was a benevolent attempt to improve public recycling habits.
- (B) a sham as it diverted attention away from the role of corporations in plastics pollution.
- (C) an important step in sensitising producers to the need to tackle plastics pollution.
- (D) an innovative example of a collaborative corporate social responsibility initiative.

**Correct Answer:** (B) a sham as it diverted attention away from the role of corporations in plastics pollution.

**Solution:**

In this passage, the author criticizes the Keep America Beautiful organization, which was initially presented as a noble effort to encourage public recycling. The author argues,

however, that this initiative ultimately served as a "greenwash" or a distraction that deflected attention from the true issue of plastic pollution—corporate responsibility for producing vast amounts of plastic.

The Keep America Beautiful campaign, despite appearing to be a benevolent and helpful initiative, is seen as a tool used by corporations to avoid responsibility for the plastic waste they generate. By focusing on recycling and consumer behavior, the campaign shifted the burden of addressing the plastic problem to the public, while allowing corporations to continue producing plastic products without facing meaningful scrutiny or regulatory oversight.

The organization's emphasis on consumer responsibility, rather than on corporate accountability, effectively removed the focus from the need for systemic changes in the way plastics are produced and disposed of. This, the author argues, is a clever but deceptive strategy that enables plastic producers to avoid addressing the fundamental problem of overproduction.

Thus, the author concludes that the Keep America Beautiful campaign is not a legitimate environmental initiative but rather a deceptive tactic to maintain the status quo of plastic production while appearing to be environmentally responsible. This misdirection, according to the author, is a form of "greenwashing" designed to protect corporate interests at the expense of genuine environmental progress.

#### Quick Tip

Keep America Beautiful is criticized as a greenwashing campaign because it shifted the focus from corporate responsibility to consumer recycling.

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## Human-Elephant Conflict

"Everybody pretty much agrees that the relationship between elephants and people has dramatically changed," [says psychologist Gay] Bradshaw. "Where for centuries humans and elephants lived in relatively peaceful coexistence, there is now hostility and violence. Now, I use the term 'violence' because of the intentionality associated with it, both in the aggression

of humans and, at times, the recently observed behavior of elephants.”

Typically, elephant researchers have cited, as a cause of aggression, the high levels of testosterone in newly matured male elephants or the competition for land and resources between elephants and humans. But, Bradshaw and several colleagues argue that today’s elephant populations are suffering from a form of chronic stress, a kind of species-wide trauma. Decades of poaching and culling and habitat loss, they claim, have so disrupted the intricate web of familial and societal relations by which young elephants have traditionally been raised in the wild, and by which established elephant herds are governed, that what we are now witnessing is nothing less than a precipitous collapse of elephant culture.

Elephants, when left to their own devices, are profoundly social creatures. young elephants are raised within an extended, multi-tiered network of doting female caregivers that includes the birth mother, grandmothers, aunts and friends. These relations are maintained over a life span as long as 70 years. Studies of established herds have shown that young elephants stay within 15 feet of their mothers for nearly all of their first eight years of life, after which young females are socialized into the matriarchal network, while young males go off for a time into an all-male social group before coming back into the fold as mature adults.

This fabric of elephant society, Bradshaw and her colleagues [demonstrate], ha[s] effectively been frayed by years of habitat loss and poaching, along with systematic culling by government agencies to control elephant numbers and translocations of herds to different habitats. As a result of such social upheaval, calves are now being born to and raised by ever younger and inexperienced mothers. Young orphaned elephants, meanwhile, that have witnessed the death of a parent at the hands of poachers are coming of age in the absence of the support system that defines traditional elephant life. ”The loss of elephant elders,” [says] Bradshaw ”and the traumatic experience of witnessing the massacres of their family, impairs normal brain and behavior development in young elephants.”

What Bradshaw and her colleagues describe would seem to be an extreme form of anthropocentric conjecture if the evidence that they’ve compiled from various elephant researchers weren’t so compelling. The elephants of decimated herds, especially orphans who’ve watched the death of their parents and elders from poaching and culling, exhibit behavior typically associated with post-traumatic stress disorder and other trauma-related disorders in humans: abnormal startle response, unpredictable asocial behavior, inattentive

mothering and hyper-aggression.

[According to Bradshaw], "Elephants are suffering and behaving in the same ways that we recognize in ourselves as a result of violence. Except perhaps for a few specific features, brain organization and early development of elephants and humans are extremely similar."

**Q6.** Which of the following statements best expresses the overall argument of this passage?

(A) Elephants, like the humans they are in conflict with, are profoundly social creatures.

(B) The relationship between elephants and humans has changed from one of coexistence to one of hostility.

(C) Recent elephant behaviour could be understood as a form of species-wide trauma-related response.

(D) The brain organisation and early development of elephants and humans are extremely similar.

**Correct Answer:** (B) The relationship between elephants and humans has changed from one of coexistence to one of hostility.

**Solution:**

The passage emphasizes the shift from peaceful coexistence between elephants and humans to increasing hostility and violence. Option (B) best encapsulates this change.

- Option (A) is incorrect because while elephants are social creatures, the argument of the passage centers on the conflict and the changing relationship, not the social nature of elephants.

- Option (C) is partially correct in describing elephant behavior but doesn't fully address the passage's broader argument about the change in the human-elephant relationship.

- Option (D) introduces a comparison between elephants and humans, which, while mentioned, doesn't best express the overall argument of the passage.

#### Quick Tip

Focus on the key themes of the passage: the change in the relationship between humans and elephants, from peaceful coexistence to violence and hostility.

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**Q7.** In the first paragraph, Bradshaw uses the term "violence" to describe the recent change

in the human-elephant relationship because, according to him:

- (A) Both humans and elephants have killed members of each other's species.
- (B) There is a purposefulness in human and elephant aggression towards each other.
- (C) Human-elephant interactions have changed their character over time.
- (D) Elephant herds and their habitat have been systematically destroyed by humans.

**Correct Answer:** (C) Human-elephant interactions have changed their character over time.

**Solution:**

Bradshaw uses "violence" to describe the intentionality behind the shift in human-elephant interactions. Option (C) directly refers to this change in character.

- Option (A) is partially true but doesn't reflect the core reason for Bradshaw's use of "violence," which is about the change in the nature of interactions.
- Option (B) could be a reason for the violence, but it is not the main explanation for the term "violence" as per the passage.
- Option (D) relates to the destruction caused by humans but doesn't address the intentionality of the violence between humans and elephants.

**Quick Tip**

Look for the term "violence" in the passage as it reflects a change in the nature of interactions, not just physical aggression.

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**Q8.** The passage makes all of the following claims EXCEPT

- (A) Elephant mothers are evolving newer ways of rearing their calves to adapt to emerging threats.
- (B) The elephant response to deeply disturbing experiences is similar to that of humans.
- (C) Elephants establish extended and enduring familial relationships as do humans.
- (D) Human actions such as poaching and culling have created stressful conditions for elephant communities.

**Correct Answer:** (A) Elephant mothers are evolving newer ways of rearing their calves to adapt to emerging threats.

**Solution:**

The passage discusses various aspects of elephant behavior and how they are affected by human actions and social structures, but it does not claim that elephant mothers are evolving new ways of rearing their calves. Option (A) is not stated in the passage, making it the correct choice.

- Option (B) is mentioned in the passage where the elephant's response to trauma is compared to that of humans.
- Option (C) discusses the enduring familial relationships elephants form, which is highlighted in the passage.
- Option (D) is directly referenced in the passage as human actions like poaching and culling causing stress in elephant communities.

#### Quick Tip

Make sure to differentiate between statements explicitly mentioned in the passage and those that are inferred but not stated directly.

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**Q9.** Which of the following measures is Bradshaw most likely to support to address the problem of elephant aggression?

- (A) The development of treatment programmes for elephants drawing on insights gained from treating post-traumatic stress disorder in humans.
- (B) Funding of more studies to better understand the impact of testosterone on male elephant aggression.
- (C) Studying the impact of isolating elephant calves on their early brain development, behaviour and aggression.
- (D) Increased funding for research into the similarity of humans and other animals drawing on insights gained from human-elephant similarities.

**Correct Answer:** (A) The development of treatment programmes for elephants drawing on insights gained from treating post-traumatic stress disorder in humans.

**Solution:**

Bradshaw is deeply concerned about the trauma elephants face, particularly as a result of poaching and the loss of their family structure. She compares the traumatic effects observed

in elephants to post-traumatic stress disorder (PTSD) in humans. Option (A) aligns closely with her perspective, as she likely supports the development of treatment programs for elephants based on how PTSD is treated in humans, which would address the emotional and psychological toll on elephants.

- Option (B) is about testosterone and aggression, which is not the primary focus of Bradshaw’s argument. While aggression is mentioned, Bradshaw emphasizes the trauma experienced by elephants rather than hormonal factors alone.

- Option (C) focuses on isolating elephant calves, which contradicts the idea of elephants benefiting from social relationships. Bradshaw discusses the importance of familial bonds, which isolation would disrupt.

- Option (D) emphasizes funding for research into the similarities between humans and elephants. While this research is useful, the passage emphasizes the treatment of trauma in elephants, not just drawing comparisons between the two species.

#### Quick Tip

Look for clues in the passage where Bradshaw discusses the trauma in elephants. This will guide you to the correct answer, especially when it involves PTSD treatment and psychological recovery.

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**Q10.** In paragraph 4, the phrase, “The fabric of elephant society . . . has(s) effectively been frayed by . . .” is:

(A) an exaggeration aimed at bolstering Bradshaw’s claims.

(B) an accurate description of the condition of elephant herds today.

(C) an ode to the fragility of elephant society today.

(D) a metaphor for the effect of human activity on elephant communities.

**Correct Answer:** (D) a metaphor for the effect of human activity on elephant communities.

**Solution:**

The phrase “The fabric of elephant society has effectively been frayed” refers to the disruption of the natural order within elephant communities due to human actions such as poaching, culling, and habitat loss. This is a metaphor, suggesting that the social structure

and stability of elephant societies have been torn apart due to human interference. This metaphor highlights the fragile nature of elephant societies, which once functioned harmoniously but are now under stress due to human actions. Option (D) best captures this idea.

- Option (A) is incorrect because while the phrase is impactful, it is not an exaggeration; it accurately describes the impact of human actions on elephant societies.
- Option (B) might be partially true, but the phrase does not provide a direct description of current elephant herds in general; instead, it metaphorically addresses the effects of human disruption.
- Option (C) is a tempting option, but the phrase uses a metaphor to indicate a breakdown in elephant society, rather than offering an artistic or poetic expression of fragility.

#### Quick Tip

Metaphors often use vivid language to describe a situation in more symbolic terms. Here, the "fraying fabric" symbolizes the breakdown of social structures in elephants due to human activities.

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### India and the World War

The Indian government has announced an international competition to design a National War Memorial in New Delhi, to honour all of the Indian soldiers who served in the various wars and counter-insurgency campaigns from 1947 onwards. The terms of the competition also specified that the new structure would be built adjacent to the India Gate – a memorial to the Indian soldiers who died in the First World War. Between the old imperialist memorial and the proposed nationalist one, India's contribution to the Second World War is airbrushed out of existence.

The Indian government's conception of the war memorial was not merely absentminded. Rather, it accurately reflected the fact that both academic history and popular memory have yet to come to terms with India's Second World War, which continues to be seen as little more than mood music in the drama of India's advance towards independence and partition in 1947. Further, the political trajectory of the postwar subcontinent has militated against popular remembrance of the war. With partition and the onset of the India-Pakistan rivalry,

both of the new nations needed fresh stories for self-legitimation rather than focusing on shared wartime experiences.

However, the Second World War played a crucial role in both the independence and partition of India. The Indian army recruited, trained and deployed some 2.5 million men, almost 90,000 of which were killed and many more injured. Even at the time, it was recognised as the largest volunteer force in the war.

India's material and financial contribution to the war was equally significant. India emerged as a major military-industrial and logistical base for Allied operations in south-east Asia and the Middle East. This led the United States to take considerable interest in the country's future, and ensured that this was no longer the preserve of the British government. Other wartime developments pointed in the direction of India's independence. In a stunning reversal of its long-standing financial relationship with Britain, India finished the war as one of the largest creditors to the imperial power.

Such extraordinary mobilization for war was achieved at great human cost, with the Bengal famine the most extreme manifestation of widespread wartime deprivation. The costs on India's home front must be counted in millions of lives.

Indians signed up to serve on the war and home fronts for a variety of reasons. Many were convinced that their contribution would open the doors to India's freedom. The political and social churn triggered by the war was evident in the massive waves of popular protest and unrest that washed over rural and urban India in the aftermath of the conflict. This turmoil was crucial in persuading the Attlee government to rid itself of the incubus of ruling India. Seventy years on, it is time that India engaged with the complex legacies of the Second World War. Bringing the war into the ambit of the new national memorial would be a fitting – if not overdue – recognition that this was India's War.

**Q11.** In the first paragraph, the author laments the fact that

- (A) the new war memorial will be built right next to India Gate.
- (B) there is no recognition of the Indian soldiers who served in the Second World War.
- (C) funds will be wasted on another war memorial when we already have the India Gate memorial.
- (D) India lost thousands of human lives during the Second World War.

**Correct Answer:** (B) there is no recognition of the Indian soldiers who served in the Second World War.

**Solution:**

The first paragraph of the passage highlights a central issue: the lack of recognition of India's contribution to the Second World War. The author laments that while a new war memorial is being constructed, it does not acknowledge the significant role Indian soldiers played in the war. The new memorial will honor the soldiers who died in the First World War but fails to recognize the Indian soldiers who served in the Second World War, which is central to the author's frustration. Thus, the correct answer is (B).

- Option (A), though the location of the new memorial is noted, does not align with the author's main complaint. The concern is not about the memorial's proximity to the India Gate, but about its focus on the First World War while overlooking the Second.

- Option (C) refers to concerns about the funds spent on constructing another war memorial, but the author's primary frustration stems from the lack of recognition for the soldiers of the Second World War, not merely the expenditure of resources.

- Option (D), while India did lose thousands of lives during the Second World War, this is a tragic fact but does not reflect the central lament in the first paragraph. The passage stresses the omission of India's involvement in the Second World War, not the loss of life itself.

**Quick Tip**

Pay close attention to the core argument of each paragraph. The first paragraph primarily focuses on the absence of recognition for Indian soldiers who fought in the Second World War, which is central to the author's lament.

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**Q12.** The author lists all of the following as outcomes of the Second World War EXCEPT:

- (A) US recognition of India's strategic location and role in the war.
- (B) Large-scale deaths in Bengal as a result of deprivation and famine.
- (C) Independence of the subcontinent and its partition into two countries.
- (D) The large financial debt India owed to Britain after the war.

**Correct Answer:** (D) The large financial debt India owed to Britain after the war.

**Solution:**

The passage highlights the various outcomes and consequences of India's involvement in the Second World War. It mentions several significant points, including the recognition of India's strategic importance by the US, the devastating famine in Bengal, and the direct link between India's contribution in the war and the eventual independence and partition of India. However, the passage does not mention the large financial debt India owed to Britain after the war, making Option (D) the correct answer.

- Option (A) is true, as the passage notes that the United States recognized India's importance in terms of its strategic location and role in the war, which increased their interest in India's future.
- Option (B) refers to the Bengal famine, which was a direct consequence of the war and the immense deprivation caused by wartime policies. The passage makes it clear that the costs on India's home front, especially in terms of famine, were devastating.
- Option (C) is also correct, as the passage specifically discusses how the Second World War played a significant role in India's independence and the subsequent partition into two countries, marking a pivotal moment in Indian history.

**Quick Tip**

Look for the details mentioned explicitly in the passage. Focus on what is discussed regarding India's contributions, the war's impact, and how these shaped India's future, while eliminating options that are not referenced.

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**Q13.** The phrase “mood music” is used in the second paragraph to indicate that the Second World War is viewed as:

- (A) Setting the stage for the emergence of the India–Pakistan rivalry in the subcontinent.
- (B) a backdrop to the subsequent independence and partition of the region.
- (C) a part of the narrative on the ill-effects of colonial rule on India.
- (D) a tragic period in terms of loss of lives and national wealth.

**Correct Answer:** (B) a backdrop to the subsequent independence and partition of the region.

**Solution:**

The term "mood music" in this context refers to how the Second World War is often treated in Indian historical memory. The phrase implies that the war is not given due importance on its own, but instead is seen as a backdrop or setting for the more prominent events that followed, such as the independence and partition of India. The author suggests that the war is often overlooked or overshadowed by the national struggle for independence. Hence, Option (B) is the most fitting choice.

- Option (A) is incorrect because while the India-Pakistan rivalry is a significant consequence of partition, it does not directly relate to how the war is framed as "mood music." The war's connection to partition is more complex and involves both historical and political contexts.

- Option (C) misinterprets the phrase as indicating the war as part of a narrative about colonial rule's ill-effects. The passage suggests that while colonial rule had negative effects, the war is seen as more peripheral to these discussions.

- Option (D) could be argued as a secondary aspect of the war, but it is not the central theme in the passage. The focus is on the war being less recognized and treated more as a background to other developments like independence.

#### Quick Tip

Look for how phrases like "mood music" reflect a secondary role in the passage. Here, the war is not the primary focus but rather a background element to larger political changes like independence and partition.

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**Q14.** The author suggests that a major reason why India has not so far acknowledged its role in the Second World War is that:

(A) wants to forget the human and financial toll of the War on the country.

(B) has been focused on building an independent, non-colonial political identity.

(C) views the War as a predominantly Allied effort, with India playing only a supporting role.

(D) blames the War for leading to the momentous partition of the country.

**Correct Answer:** (B) has been focused on building an independent, non-colonial political identity.

**Solution:**

In the passage, the author highlights that the memory of the Second World War in India is overshadowed by the drive for independence and the post-colonial identity that India sought to build after the war. The author suggests that one of the primary reasons for the lack of recognition of India's contribution to the war is that the focus has been on distancing the country from its colonial past and emphasizing an independent national identity. This is best reflected in Option (B).

- Option (A) is incorrect because, while the war was costly, the focus on forgetting the toll does not directly explain why India has not acknowledged its role. The political need for independence and rejecting colonial ties is a stronger motivator.
- Option (C) is partially true, but the emphasis in the passage is more on the nationalist focus post-independence, rather than India's role being overshadowed by a global perspective on the Allied efforts. The role India played is significant but politically minimized.
- Option (D) may be a part of the broader conversation, but the partition is not the sole reason for the lack of recognition. The author primarily points to India's desire to solidify a non-colonial, independent identity.

#### Quick Tip

When interpreting why something is overlooked, focus on the political and identity-related motivations. In this case, India's post-independence focus on non-colonial identity led to the neglect of the war's significance.

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**Q15.** The author claims that omitting mention of Indians who served in the Second World War from the new National War Memorial is:

- (A) a reflection of misplaced priorities of the post-independence Indian governments.
- (B) a reflection of the academic and popular view of India's role in the War.
- (C) appropriate as their names can always be included in the India Gate memorial.
- (D) something which can be rectified in future by constructing a separate memorial.

**Correct Answer:** (D) something which can be rectified in future by constructing a separate memorial.

**Solution:**

The author suggests that the omission of Indian soldiers from the new National War Memorial is an oversight that could be rectified by constructing a separate memorial specifically dedicated to India's contribution in the Second World War. This is evident in the passage, where the author calls for the inclusion of India's role in the new memorial or the creation of a new one to rectify this historical oversight. Option (D) directly reflects this suggestion.

- Option (A) could be true in some sense, but it does not reflect the author's primary argument about rectifying the issue through a separate memorial. The focus is more on the lack of recognition, not on the misplaced priorities.
- Option (B) is not the correct interpretation, as the passage discusses the lack of recognition rather than reflecting the popular and academic view, which often minimizes India's role.
- Option (C) is incorrect because the author does not suggest that the India Gate memorial is the appropriate place for such recognition. The proposal is for a separate memorial.

#### Quick Tip

Pay attention to how the author proposes to address the issue raised in the question. In this case, the solution offered is the creation of a separate memorial, not the inclusion of names in the existing one.

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### **Economy and Happiness**

Economists have spent most of the 20th century ignoring psychology, positive or otherwise. But today there is a great deal of emphasis on how happiness can shape global economies, or - on a smaller scale - successful business practice. This is driven, in part, by a trend in "measuring" positive emotions, mostly so they can be optimized. Neuroscientists, for example, claim to be able to locate specific emotions, such as happiness or disappointment, in particular areas of the brain. Wearable technologies, such as Spire, offer data-driven advice on how to reduce stress.

We are no longer just dealing with "happiness" in a philosophical or romantic sense - it has become something that can be monitored and measured, including by our behavior, use of social media and bodily indicators such as pulse rate and facial expressions. There is nothing

automatically sinister about this trend. But it is disquieting that the businesses and experts driving the quantification of happiness claim to have our best interests at heart, often concealing their own agendas in the process. In the workplace, happy workers are viewed as a "win-win." Work becomes more pleasant, and employees, more productive. But this is now being pursued through the use of performance-evaluating wearable technology, such as Humanyze or Virgin Pulse, both of which monitor physical signs of stress and activity toward the goal of increasing productivity.

Cities such as Dubai, which has pledged to become the "happiest city in the world," dream up ever-more elaborate and intrusive ways of collecting data on well-being - to the point where there is now talk of using CCTV cameras to monitor facial expressions in public spaces. New ways of detecting emotions are hitting the market all the time: One company, Beyond Verbal, aims to calculate moods conveyed in a phone conversation, potentially without the knowledge of at least one of the participants. And Facebook [has] demonstrated that it could influence our emotions through tweaking our news feeds - opening the door to ever-more targeted manipulation in advertising and influence.

As the science grows more sophisticated and technologies become more intimate with our thoughts and bodies, a clear trend is emerging. Where happiness indicators were once used as a basis to reform society, challenging the obsession with money that G.D.P. measurement entrenches, they are increasingly used as a basis to transform or discipline individuals.

Happiness becomes a personal project, that each of us must now work on, like going to the gym. Since the 1970s, depression has come to be viewed as a cognitive or neurological defect in the individual, and never a consequence of circumstances. All of this simply escalates the sense of responsibility each of us feels for our own feelings, and with it, the sense of failure when things go badly. A society that deliberately removed certain sources of misery, such as precarious and exploitative employment, may well be a happier one. But we won't get there by making this single, often fleeting emotion, the over-arching goal.

**Q16.** According to the author, wearable technologies and social media are contributing most to:

(A) happiness as a "personal project".

(B) depression as a thing of the past.

(C) disciplining individuals to be happy.

(D) making individuals aware of stress in their lives.

**Correct Answer:** (A) happiness as a "personal project".

**Solution:**

The author points out how happiness is no longer just a philosophical concept or a mere emotional state but is now perceived as something individuals need to work on and "manage." The rise of wearable technologies and the increased use of social media have amplified this view by allowing individuals to track and optimize their happiness, turning it into a personal project much like working out at the gym. The correct answer, therefore, is (A).

- Option (B) is incorrect because the author does not state that depression is a thing of the past. In fact, the passage suggests that depression is still viewed as a personal failing but has become more of an individual concern, not a thing of the past.

- Option (C) is not entirely accurate. While the passage mentions how happiness is increasingly treated as a responsibility, it doesn't emphasize disciplining individuals. Rather, it focuses on the idea that happiness is being optimized and managed with the help of new technologies.

- Option (D) partially relates to the content but is not the central focus. While wearable devices do make people aware of stress, this is only one element of the broader conversation about how happiness is treated as a personal project to be optimized.

**Quick Tip**

Focus on the way the author describes happiness as a "personal project." This is the crux of how modern technologies and social media influence our perception of happiness.

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**Q17.** The author's view would be undermined by which of the following research findings?

(A) There is a definitive move towards the adoption of wearable technology that taps into emotions.

(B) Stakeholders globally are moving away from collecting data on the well-being of individuals.

- (C) A proliferation of gyms that are collecting data on customer well-being.  
(D) Individuals worldwide are utilizing technologies to monitor and increase their wellbeing.

**Correct Answer:** (B) Stakeholders globally are moving away from collecting data on the well-being of individuals.

**Solution:**

The author emphasizes how the collection of emotional and well-being data through wearable technologies and social media has become a dominant trend. This growing trend suggests that people are more in control of monitoring their happiness and well-being. If research were to indicate that stakeholders are moving away from collecting such data, it would directly contradict the author's argument. Option (B) would undermine the author's claim because it suggests a shift away from this trend, which is central to the passage.

- Option (A) is supportive of the author's argument. The author discusses how wearable technology is increasingly adopted to measure emotions, which aligns with the statement in Option (A).
- Option (C) is related to the broader theme of tracking well-being. The proliferation of gyms that collect data on customer well-being supports the author's idea of using technology to manage happiness and health.
- Option (D) also supports the author's viewpoint, as individuals worldwide using technologies to monitor and increase their well-being shows the increasing integration of technology in our emotional lives, in line with the author's argument.

**Quick Tip**

When assessing options, pay attention to shifts in trends. A finding that goes against the emerging trend of data collection on well-being would directly undermine the author's argument.

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**Q18.** According to the author, Dubai:

- (A) is on its way to becoming one of the world's happiest cities.  
(B) collaborates with Facebook to selectively influence its inhabitants' moods.  
(C) develops sophisticated technologies to monitor its inhabitants' states of mind.

(D) incentivizes companies that prioritize worker welfare.

**Correct Answer:** (A) is on its way to becoming one of the world's happiest cities.

**Solution:**

The author specifically mentions that Dubai has pledged to become the "happiest city in the world," which involves implementing increasingly sophisticated and sometimes intrusive technologies to monitor and influence the well-being of its residents. This is the central theme of Option (A). Dubai's ambition is to collect data on happiness and well-being to improve its citizens' lives and establish itself as the happiest city.

- Option (B) is incorrect because although Facebook's role in influencing emotions is discussed, the passage does not claim that Dubai collaborates with Facebook specifically for this purpose. The focus is on Dubai's own initiatives.

- Option (C) is partially correct in that Dubai uses sophisticated technologies to monitor well-being, but the author focuses more on Dubai's ambition to become the happiest city, rather than the specifics of technology development.

- Option (D) is not discussed in the passage. While the focus is on data collection for happiness and well-being, there is no mention of Dubai incentivizing companies for worker welfare.

**Quick Tip**

Look for specific references to cities, goals, and technological initiatives in the passage. Dubai's focus is on collecting data to improve happiness, which directly correlates with its ambition to become the "happiest city."

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**Q19.** In the author's opinion, the shift in thinking in the 1970s:

(A) was a welcome change from the earlier view that depression could be cured by changing circumstances.

(B) introduced greater stress into people's lives as they were expected to be responsible for their own happiness.

(C) put people in touch with their own feelings rather than depending on psychologists.

(D) reflected the emergence of neuroscience as the authority on human emotions.

**Correct Answer:** (B) introduced greater stress into people’s lives as they were expected to be responsible for their own happiness.

**Solution:**

The author points out that the shift in thinking in the 1970s, where depression was increasingly viewed as a personal responsibility rather than a result of external circumstances, introduced greater stress into people’s lives. This shift held individuals accountable for their emotional state, putting more pressure on them to manage their own happiness, hence leading to more stress. Therefore, Option (B) is correct.

- Option (A) is incorrect because while the 1970s shift is noted, the author does not view it as a “welcome change.” Rather, the passage critiques the shift for placing undue responsibility on individuals.

- Option (C) is incorrect because the author does not state that the 1970s shift “put people in touch with their own feelings,” but rather emphasizes the stress caused by personal responsibility for happiness.

- Option (D) is a separate issue. The author does mention neuroscience’s role, but it’s not linked directly to the 1970s shift. The focus is more on the individual responsibility aspect.

**Quick Tip**

Look for key words like “responsibility” and “stress” in the passage. The author emphasizes how the shift in the 1970s introduced personal accountability for happiness, leading to more pressure on individuals.

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**Q20.** From the passage we can infer that the author would like economists to:

- (A) incorporate psychological findings into their research cautiously.
- (B) correlate measurements of happiness with economic indicators.
- (C) measure the effectiveness of Facebook and social media advertising.
- (D) work closely with neuroscientists to understand human behaviour.

**Correct Answer:** (D) work closely with neuroscientists to understand human behaviour.

**Solution:**

The author discusses the increasing role of neuroscience and psychology in shaping

economics, particularly how emotional states are quantified and factored into business and economic models. The author seems to suggest that economists should work closely with neuroscientists to better understand human behavior and its impact on economics. This aligns with Option (D).

- Option (A) is incorrect because while the author advocates for incorporating psychological findings, the passage does not emphasize a cautious approach but rather a more active collaboration with other fields, particularly neuroscience.

- Option (B) is not the central idea of the passage. The author discusses emotional measurement, but it is framed more as an individual project (personal responsibility) than as a correlation with economic indicators.

- Option (C) is unrelated to the author's primary focus, which is on understanding and utilizing psychology and neuroscience to shape economics. The passage does not suggest measuring social media effectiveness as a priority for economists.

#### Quick Tip

Focus on how the author frames the relationship between economics and other fields. The collaboration with neuroscientists, not just incorporating psychology, is highlighted as crucial to understanding human behavior in economics.

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### Acquired Characteristics

When researchers at Emory University in Atlanta trained mice to fear the smell of almonds (by pairing it with electric shocks), they found, to their consternation, that both the children and grandchildren of these mice were spontaneously afraid of the same smell. That is not supposed to happen. Generations of schoolchildren have been taught that the inheritance of acquired characteristics is impossible. A mouse should not be born with something its parents have learned during their lifetimes, any more than a mouse that loses its tail in an accident should give birth to tailless mice.

Modern evolutionary biology dates back to a synthesis that emerged around the 1940s–60s, which married Charles Darwin's mechanism of natural selection with Gregor Mendel's discoveries of how genes are inherited. The traditional, and still dominant, view is that

adaptations – from the human brain to the peacock’s tail – are fully and satisfactorily explained by natural selection (and subsequent inheritance). Yet [new evidence] from genomics, epigenetics and developmental biology [indicates] that evolution is more complex than we once assumed.

In his book *On Human Nature* (1978), the evolutionary biologist Edward O. Wilson claimed that human culture is held on a genetic leash. The metaphor [needs revision]. Imagine a dogwalker (the genes) struggling to retain control of a brawny mastiff (human culture). The pair’s trajectory (the pathway of evolution) reflects the outcome of the struggle. Now imagine the same dog-walker struggling with multiple dogs, on leashes of varied lengths, with each dog tugging in different directions. All these tugs represent the influence of developmental factors, including epigenetics, antibodies and hormones passed on by parents, as well as the ecological legacies and culture they bequeath.

The received wisdom is that parental experiences can’t affect the characters of their offspring. Except they do. The way that genes are expressed to produce an organism’s phenotype—the actual characteristics it ends up with—is affected by chemicals that attach to them. Everything from diet to air pollution to parental behavior can influence the addition or removal of these chemical marks, which switches genes on or off. Usually these so-called ‘epigenetic’ attachments are removed during the production of sperm and eggs cells, but it turns out that some escape the resetting process and are passed on to the next generation, along with the genes. This is known as ‘epigenetic inheritance’, and more and more studies are confirming that it really happens. Let’s return to the almond-fearing mice. The inheritance of an epigenetic mark transmitted in the sperm is what led the mice’s offspring to acquire an inherited fear.

Epigenetics is only part of the story. Through culture and society, [humans and other animals] inherit knowledge and skills acquired by [their] parents. All this complexity points to an evolutionary process in which genomes (over hundreds to thousands of generations), epigenetic modifications and inherited cultural factors (over several, perhaps tens or hundreds of generations), and parental effects (over single-generation timespans) collectively inform how organisms adapt. These extra-genetic kinds of inheritance give organisms the flexibility to make rapid adjustments to environmental challenges, dragging genetic change in their wake – much like a rowdy pack of dogs.

**Q21.** The passage uses the metaphor of a dog walker to argue that evolutionary adaptation is most comprehensively understood as being determined by:

- (A) genetic, epigenetic, developmental factors, and ecological legacies.
- (B) socio-cultural, genetic, epigenetic, and genomic legacies.
- (C) ecological, hormonal, extra genetic and genetic legacies.
- (D) extra genetic, genetic, epigenetic and genomic legacies.

**Correct Answer:** (D) extra genetic, genetic, epigenetic and genomic legacies.

**Solution:**

In the passage, the metaphor of the dog walker represents the various forces tugging at evolutionary adaptation, which are described as genetic, epigenetic, developmental, and ecological. These forces are reflected in the author’s metaphor, where each ”tug” represents a different influence on evolution. Option (D) correctly captures this comprehensive view of evolutionary forces, combining genetic, epigenetic, and genomic influences, as well as other legacies outside the direct genetic scope (extra-genetic). This idea is expanded by the metaphor of the dog walker struggling with multiple forces pulling in different directions.

- Option (A) is not entirely correct because while it mentions genetic and epigenetic factors, it overlooks the full range of legacies (e.g., extra-genetic) mentioned in the passage.
- Option (B) is close, but it introduces socio-cultural legacies, which are not directly discussed in the passage. The author emphasizes a combination of genetic and epigenetic influences along with the extra-genetic factors.
- Option (C) is partially correct but misses the critical combination of all the legacies that affect evolutionary adaptation as outlined in the passage.

**Quick Tip**

Pay attention to how the metaphor of the dog walker emphasizes a variety of forces at play in evolutionary adaptation. The correct answer should reflect the full range of these factors, including genetic, epigenetic, and extra-genetic legacies.

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**Q22.** Which of the following options best describes the author’s argument?

- (A) Darwin’s theory of natural selection cannot fully explain evolution.

- (B) Mendel's theory of inheritance is unfairly underestimated in explaining evolution.
- (C) Darwin's and Mendel's theories together best explain evolution.
- (D) Wilson's theory of evolution is scientifically superior to either Darwin's or Mendel's.

**Correct Answer:** (C) Darwin's and Mendel's theories together best explain evolution.

**Solution:**

The author discusses the synthesis of Darwin's theory of natural selection with Mendel's discoveries on inheritance. The passage emphasizes that both of these theories together provide a comprehensive explanation of evolution. The combination of Darwin's mechanism of natural selection and Mendel's principles of inheritance allows for a fuller understanding of how evolution occurs. Therefore, Option (C) is the most accurate representation of the author's argument.

- Option (A) is incorrect because while the author acknowledges the complexity of evolution, the passage does not argue that Darwin's theory cannot explain evolution; rather, it suggests that Darwin's and Mendel's theories complement each other.
- Option (B) is inaccurate because the author does not claim that Mendel's theory is unfairly underestimated; instead, the passage discusses how both theories need to be integrated to fully understand evolution.
- Option (D) is not supported by the passage, which does not suggest that Wilson's theory of evolution is superior. The focus is on how Darwin's and Mendel's theories combine to explain evolutionary processes.

**Quick Tip**

Look for how the passage discusses the relationship between different scientific theories. The author emphasizes the importance of integrating Darwin's and Mendel's theories rather than favoring one over the other.

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**Q23.** The Emory University experiment with mice points to the inheritance of:

- (A) acquired characteristics
- (B) psychological markers
- (C) personality traits

(D) acquired parental fears

**Correct Answer:** (D) acquired parental fears

**Solution:**

The Emory University experiment discussed in the passage found that mice, when trained to fear the smell of almonds, passed this fear on to their offspring, even though the offspring had not been directly exposed to the almonds or the shocks. This suggests that the offspring inherited not physical traits but rather "acquired parental fears" — specifically, the emotional response to a particular stimulus that their parents had developed. This finding supports the concept of epigenetic inheritance, where environmental factors experienced by parents can influence their offspring's traits. Therefore, the correct answer is Option (D).

- Option (A) is incorrect because the passage critiques the notion that characteristics acquired during a lifetime cannot be passed down, but the study does not show the inheritance of physical characteristics. It focuses on an emotional or fear response.

- Option (B) is too general as "psychological markers" could refer to a wide range of inherited traits, but the experiment specifically addresses the inheritance of a fear, not a broad psychological marker.

- Option (C) is incorrect as the experiment does not explore personality traits, but rather a specific acquired fear, which is much more narrowly defined.

**Quick Tip**

Look for specifics about what is being inherited in the study. In this case, it's not physical traits or general psychological markers, but the emotional responses (fears) that are passed on.

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**Q24.** Which of the following, if found to be true, would negate the main message of the passage?

(A) A study indicating the primacy of ecological impact on human adaptation.

(B) A study highlighting the criticality of epigenetic inheritance to evolution.

(C) A study affirming the sole influence of natural selection and inheritance on evolution.

(D) A study affirming the influence of socio-cultural markers on evolutionary processes.

**Correct Answer:** (C) A study affirming the sole influence of natural selection and inheritance on evolution.

**Solution:**

The passage argues that evolutionary biology is more complex than previously understood, particularly due to the influence of epigenetics, where characteristics acquired during a parent's life can be passed to offspring. This introduces a dimension of inheritance beyond traditional genetic inheritance. A study that reaffirms only the role of natural selection and genetic inheritance (as in Option (C)) would directly contradict the idea that acquired traits (such as learned fears) can be inherited through epigenetic mechanisms. Therefore, Option (C) would negate the main message of the passage.

- Option (A) does not directly counter the passage's message because while ecological impact can influence evolutionary processes, it does not negate the role of epigenetics.
- Option (B) actually supports the passage's argument, as the author emphasizes the role of epigenetic inheritance in evolutionary biology.
- Option (D) focuses on socio-cultural factors, which are part of the broader discussion on how traits are passed down, but it does not directly contradict the message about epigenetics and evolutionary processes.

**Quick Tip**

Look for the study that challenges the notion of epigenetic inheritance, which is central to the passage. A study supporting only natural selection would undermine the argument about the complexity of evolutionary mechanisms.

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**The four sentences (labelled 1, 2, 3, 4) given below, when properly sequenced would yield a coherent paragraph. Decide on the proper sequence of the order of the sentences and key in the sequence of the four numbers as your answer.**

**Q25.** The four sentences (labelled 1, 2, 3, 4) given below, when properly sequenced, would yield a coherent paragraph. Decide on the proper sequence of the order of the sentences and key in the sequence of the four numbers as your answer.

(1) Impartiality and objectivity are fiendishly difficult concepts that can cause all sorts of

injustices even if transparently implemented.

(2) It encourages us into bubbles of people we know and like, while blinding us to different perspectives, but the deeper problem of ‘transparency’ lies in the words “and much more”.

(3) Twitter’s website says that “tweets you are likely to care about most will show up first in your timeline based on accounts you interact with most, tweets you engage with, and much more.”

(4) We are only told some of the basic principles, and we can’t see the algorithm itself, making it hard for citizens to analyse the system sensibly or fairly or be convinced of its impartiality and objectivity.

**Correct Answer:** 1 → 2 → 3 → 4

**Solution:**

The correct order of the sentences is: 1 → 2 → 3 → 4. Let’s break down the reasoning behind this sequence:

- Sentence (1) introduces the central concept of the paragraph: impartiality and objectivity. It states that these concepts are difficult to implement correctly and that their failure can lead to injustices. This is a general introduction to the problem of fairness and transparency, and it sets the stage for the rest of the discussion.
- Sentence (2) then expands on the challenge of impartiality and objectivity, particularly emphasizing how they are difficult to achieve because they are often undermined by biases, such as the “bubbles” that people find themselves in. These bubbles restrict exposure to differing perspectives, creating a skewed sense of reality. Additionally, the deeper issue of “transparency” is mentioned, with a particular focus on how the word “and much more” in the context of transparency adds another layer of complexity.
- Sentence (3) introduces a concrete example related to Twitter’s algorithm, which is directly connected to the concept of transparency discussed in Sentence (2). It shows how the algorithm works, prioritizing tweets from accounts that users interact with the most, which reinforces the idea that transparency is not as clear-cut as it may seem. The algorithm is only partially disclosed, contributing to the problems of fairness and objectivity raised earlier.
- Sentence (4) concludes the argument by explaining how the lack of full transparency—in this case, the inability to see the algorithm itself—makes it difficult for the public to evaluate whether the system is truly fair and objective. The conclusion stresses that while basic

principles are shared, they are insufficient for true accountability.

Thus, the sequence flows logically from the introduction of the problem, to the explanation of biases and transparency issues, to the example of Twitter's algorithm, and finally to the conclusion about the difficulty of analyzing the system due to limited transparency.

### Quick Tip

When sequencing sentences, start by introducing the main topic, build on it with details and examples, and conclude with a summary or implication of the issue.

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**Q26.** The four sentences (labelled 1, 2, 3, 4) given below, when properly sequenced, would yield a coherent paragraph. Decide on the proper sequence of the order of the sentences and key in the sequence of the four numbers as your answer.

- (1) The eventual diagnosis was skin cancer and after treatment all seemed well.
- (2) The viola player didn't know what it was; nor did her GP.
- (3) Then a routine scan showed it had come back and spread to her lungs.
- (4) It started with a lump on Cathy Perkins' index finger.

**Correct Answer:** 4 → 2 → 3 → 1

### Solution:

The correct sequence is: 4 → 2 → 3 → 1. Let's analyze this step by step:

- Sentence (4) introduces the initial symptom of the problem: a lump on Cathy Perkins' index finger. This is the first and crucial piece of information, as it sets the stage for the subsequent medical evaluation. The lump is the physical manifestation that prompts the concern.
- Sentence (2) follows with the confusion that arose from the initial symptoms. The viola player and her GP did not know what it was, which is a critical development in the case. The lack of immediate clarity from both the patient and the medical professional helps to build tension and suggests the complexity of the medical condition.
- Sentence (3) introduces the routine scan, a typical next step in medical diagnostics. The scan reveals that the cancer has spread to the lungs, which dramatically shifts the situation from a simple lump to a much more serious health crisis. This progression highlights the escalation of the condition from initial uncertainty to a life-threatening diagnosis.

- Sentence (1) concludes the sequence by providing the final diagnosis of skin cancer, confirming the severity of the situation. After treatment, it seems that everything was well, providing a sense of resolution and closure to the story. It is important to note that the sentence also reflects the final medical status after treatment, which brings a sense of relief. By arranging the sentences in this order, we ensure that the story flows logically from the initial symptom to the final diagnosis and recovery. Each sentence provides a key step in the narrative, from discovery to diagnosis and, finally, treatment.

### Quick Tip

When sequencing medical or narrative sentences, start with the initial symptom or event, move through confusion or diagnosis, describe the progression or complications, and conclude with the resolution or outcome.

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**Q27.** The four sentences (labelled 1, 2, 3, 4) given below, when properly sequenced, would yield a coherent paragraph. Decide on the proper sequence of the order of the sentences and key in the sequence of the four numbers as your answer.

- (1) The woodland's canopy receives most of the sunlight that falls on the trees.
- (2) Swifts do not confine themselves to woodlands, but hunt wherever there are insects in the air.
- (3) With their streamlined bodies, swifts are agile flyers, ideally adapted to twisting and turning through the air as they chase flying insects – the creatures that form their staple diet.
- (4) Hundreds of thousands of insects fly in the sunshine up above the canopy, some falling prey to swifts and swallows.

**Correct Answer:** 1 → 4 → 3 → 2

**Solution:**

The correct order of the sentences is: 1 → 4 → 3 → 2. Let's go through the reasoning step by step:

- Sentence (1) introduces the woodland canopy and the fact that it receives most of the sunlight. This sets the stage for the discussion of life within the woodland environment. It's the first key point, establishing the setting.
- Sentence (4) follows logically because it explains what happens in the sunlight above the

canopy. It introduces the insects flying in the sunlight, setting up the potential food source for predators like swifts. It creates a natural progression in the narrative, explaining how the insects are involved in the food chain.

- Sentence (3) connects directly to sentence (4) by describing the swifts, which feed on these insects. It provides a more detailed description of swifts' flight abilities, explaining how their streamlined bodies make them well-suited to catching flying insects. This explanation fits as the next logical step after introducing the insects in sentence (4).

- Sentence (2) concludes the paragraph by describing the behavior of the swifts, which do not limit themselves to woodland but hunt wherever there are insects in the air. This final sentence wraps up the general behavior of swifts, explaining their wider habitat beyond the woodland.

Thus, the sequence is: 1 → 4 → 3 → 2, which moves from the introduction of the woodland environment, to the presence of insects, to the swifts' adaptations and their behavior.

#### Quick Tip

To sequence sentences logically, start by introducing the environment or setting, then describe the actions or behaviors of the subjects within that setting, and end by explaining their broader actions or relationships.

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**Q28.** The four sentences (labelled 1, 2, 3, 4) given below, when properly sequenced, would yield a coherent paragraph. Decide on the proper sequence of the order of the sentences and key in the sequence of the four numbers as your answer.

(1) But now we have another group: the unwitting enablers.

(2) Democracy and high levels of inequality of the kind that have come to characterize the United States are simply incompatible.

(3) Believing these people are working for a better world, they are, actually, at most, chipping away at the margins, making slight course corrections, ensuring the system goes on as it is, uninterrupted.

(4) Very rich people will always use money to maintain their political and economic power.

**Correct Answer:** 2 → 4 → 3 → 1

**Solution:**

The correct sequence is: 2 → 4 → 3 → 1. Here's the reasoning behind this order:

- Sentence (2) sets up the core issue by arguing that democracy and high inequality are fundamentally incompatible. This statement introduces the central problem and lays the foundation for the rest of the discussion.
- Sentence (4) expands on this by stating that the very rich use their wealth to maintain political and economic power. This sentence is a direct continuation of the argument in sentence (2), providing a specific example of the inequality issue. The rich control power, reinforcing the central idea that inequality undermines democracy.
- Sentence (3) then elaborates on the behavior of the unwitting enablers, explaining that these individuals believe they are working for a better world, but in reality, they are merely chipping away at the margins and upholding the status quo. This sentence introduces the unwitting enablers as people who, although well-meaning, inadvertently support the existing system.
- Sentence (1) concludes by introducing the unwitting enablers, which wraps up the idea that, despite their intentions, they are contributing to the persistence of the issues highlighted in the previous sentences. This sentence ties the idea of enablers to the broader societal problem.

Thus, the correct sequence is 2 → 4 → 3 → 1, starting with the incompatibility of democracy and inequality, followed by an explanation of the rich's power, then detailing the enablers, and finally identifying this group of people.

**Quick Tip**

When sequencing sentences, start with the main problem or issue, provide specific examples, explain the underlying causes or behaviors, and conclude by identifying the people or groups involved.

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**The passage given below is followed by four alternate summaries. Choose the option that best captures the author's position**

**Q29.** Artificial embryo twinning is a relatively low-tech way to make clones. As the name

suggests, this technique mimics the natural process that creates identical twins. In nature, twins form very early in development when the embryo splits in two. Twinning happens in the first days after egg and sperm join, while the embryo is made of just a small number of unspecialized cells. Each half of the embryo continues dividing on its own, ultimately developing into separate, complete individuals. Since they developed from the same fertilized egg, the resulting individuals are genetically identical.

(A) Artificial embryo twinning is low-tech and mimetic of the natural development of genetically identical twins from the embryo after fertilization.

(B) Artificial embryo twinning is just like the natural development of twins, where during fertilization twins are formed.

(C) Artificial embryo twinning is low-tech unlike the natural development of identical twins from the embryo after fertilization.

(D) Artificial embryo twinning is low-tech and is close to the natural development of twins where the embryo splits into two identical twins.

**Correct Answer:** (A) Artificial embryo twinning is low-tech and mimetic of the natural development of genetically identical twins from the embryo after fertilization.

**Solution:**

The passage discusses artificial embryo twinning and how it mimics the natural process of identical twins formation. Let's break down the options:

- Option (A) is correct because it emphasizes that artificial embryo twinning is both low-tech and mimics the natural process of developing genetically identical twins, as described in the passage. The key detail in the passage is that the technique mimics the natural process of twinning from the embryo.
- Option (B) is incorrect because it suggests that twins are formed during fertilization, which is not accurate. The passage specifies that twinning happens after fertilization, when the embryo splits in two.
- Option (C) is also incorrect because it states that artificial twinning is unlike the natural development, which contradicts the passage's claim that it mimics the natural process.
- Option (D) is not the best because although it mentions splitting into two identical twins, it misses the crucial idea that artificial embryo twinning mimics the natural process of developing identical twins, not just splitting the embryo.

Thus, the correct option is (A).

#### Quick Tip

Look for keywords in the passage such as "mimic" or "similar" when determining the correct summary of the author's position. The key idea here is that artificial embryo twinning mimics the natural process of forming identical twins.

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**Q30.** Production and legitimation of scientific knowledge can be approached from a number of perspectives. To study knowledge production from the sociology of professions perspective would mean a focus on the institutionalization of a body of knowledge. The professions-approach informed earlier research on managerial occupation, business schools and management knowledge. It however tends to reify institutional power structures in its understanding of the links between knowledge and authority. Knowledge production is restricted in the perspective to the selected members of the professional community, most notably to the university faculties and professional colleges. Power is understood as a negative mechanism, which prevents the nonprofessional actors from offering their ideas and information as legitimate knowledge.

- (A) The study of knowledge production can be done through many perspectives.
- (B) The professions-approach has been one of the most relied upon perspectives in the study of management knowledge production.
- (C) Professions-approach aims at the institutionalisation of knowledge but restricts knowledge production as a function of a select few.
- (D) Professions-approach focuses on the creation of institutions of higher education and disciplines to promote knowledge production.

**Correct Answer:** (C) Professions-approach aims at the institutionalisation of knowledge but restricts knowledge production as a function of a select few.

**Solution:**

The passage discusses how knowledge production can be studied from the perspective of sociology, specifically the professions-approach. Let's break down the options:

- Option (A) is not fully accurate. While the passage mentions that knowledge production

can be studied from multiple perspectives, it doesn't emphasize this as the key point. The passage is more focused on the professions-approach.

- Option (B) is partially correct but not fully comprehensive. It mentions the professions-approach as an important perspective, but it doesn't capture the restriction aspect that the passage highlights.

- Option (C) is the correct summary. It accurately reflects the professions-approach which institutionalizes knowledge but limits access to that knowledge to a select few within the professional community, as explained in the passage.

- Option (D) is incorrect because the passage does not discuss the creation of institutions specifically or the promotion of knowledge production by disciplines. It focuses more on the restriction of knowledge production to professional groups.

Thus, the correct option is (C).

#### Quick Tip

When selecting the correct summary, look for the option that captures both the positive and restrictive aspects mentioned in the passage, rather than just focusing on one side of the argument.

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**Q31.** The conceptualization of landscape as a geometric object first occurred in Europe and is historically related to the European conceptualization of the organism, particularly the human body, as a geometric object with parts having a rational, three-dimensional organization and integration. The European idea of landscape appeared before the science of landscape emerged, and it is no coincidence that Renaissance artists such as Leonardo da Vinci, who studied the structure of the human body, also facilitated an understanding of the structure of landscape. Landscape, which had been a subordinate background to religious or historical narratives, became an independent genre or subject of art by the end of the sixteenth century or the beginning of the seventeenth century.

(A) The study of landscape as an independent genre was aided by the Renaissance artists.

(B) The three-dimensional understanding of the organism in Europe led to a similar approach towards the understanding of landscape.

(C) The Renaissance artists were responsible for the study of landscape as a subject of art.

(D) Landscape became a major subject of art at the turn of the sixteenth century.

**Correct Answer:** (B) The three-dimensional understanding of the organism in Europe led to a similar approach towards the understanding of landscape.

**Solution:**

The passage explains the historical relationship between the understanding of the human body and the landscape, emphasizing how the three-dimensional approach to the human body helped facilitate a similar approach to landscape in European art. Let's break down the options:

- Option (A) refers to the role of Renaissance artists in helping the study of landscape as an independent genre, but the passage highlights that the understanding of the structure of the landscape came from the understanding of the human body, rather than solely from the artists themselves.

- Option (B) is correct as it accurately describes the connection between the three-dimensional understanding of the human body and how this understanding influenced the approach to landscape. The passage links the two concepts explicitly.

- Option (C) is partially correct but not the best answer. While Renaissance artists contributed to the study of landscape, the passage does not claim that they were entirely responsible for the subject of landscape art—it was more about how the understanding of the body helped in the understanding of landscape.

- Option (D) mentions that landscape became a major subject of art at the turn of the sixteenth century, but the passage points out that this shift occurred by the end of the sixteenth century or the beginning of the seventeenth century, not exactly at the turn. The other options provide more focused and accurate reflections of the author's position.

Thus, the correct option is (B).

**Quick Tip**

When identifying the correct summary, focus on the key relationships the author highlights. Here, the focus is on the connection between the three-dimensional understanding of the body and landscape rather than the role of artists alone.

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**Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out. Choose its number as your answer and key it in.**

**Q32.** Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out. Choose its number as your answer and key it in.

- (1) Displacement in Bengal is thus not very significant in view of its magnitude.
- (2) A factor of displacement in Bengal is the shifting course of the Ganges leading to erosion of river banks.
- (3) The nature of displacement in Bengal makes it an interesting case study.
- (4) Since displacement due to erosion is well spread over a long period of time, it remains invisible.
- (5) Rapid displacement would have helped sensitize the public to its human costs.

**Correct Answer:** (1) Displacement in Bengal is thus not very significant in view of its magnitude.

**Solution:**

- Sentence (1) is the odd one out because it contradicts the overall tone and focus of the other sentences. The other sentences focus on the nature of displacement, how it occurs, and its impact, whereas sentence (1) dismisses its significance.
- Sentence (2) provides a cause for displacement in Bengal.
- Sentence (3) explains that displacement in Bengal is an interesting case study, adding context to the issue.
- Sentence (4) discusses the invisibility of displacement, caused by the slow erosion process.
- Sentence (5) highlights how rapid displacement would have sensitized the public to the issue.

Thus, Sentence (1) doesn't fit because it downplays the significance, whereas the others explain it in detail.

### Quick Tip

When identifying the odd sentence, look for the one that contradicts or does not fit with the overall theme or logical flow of the paragraph.

**Q33.** Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out. Choose its number as your answer and key it in.

- (1) In many cases, time inconsistency is what prevents our going from intention to action.
- (2) For people to continuously postpone getting their children immunized, they would need to be constantly fooled by themselves.
- (3) In the specific case of immunization, however, it is hard to believe that time inconsistency by itself would be sufficient to make people permanently postpone the decision if they were fully cognizant of its benefits.
- (4) In most cases, even a small cost of immunization was large enough to discourage most people.
- (5) Not only do they have to think that they prefer to spend time going to the camp next month rather than today, they also have to believe that they will indeed go next month.

**Correct Answer:** (4) In most cases, even a small cost of immunization was large enough to discourage most people.

**Solution:**

- Sentence (4) is the odd one out because it introduces a different aspect (cost of immunization) that is not central to the idea of time inconsistency. The paragraph primarily discusses time inconsistency and how it affects decision-making.
- Sentence (1) introduces time inconsistency as the core problem.
- Sentence (2) suggests that self-deception is needed for delaying immunization, continuing the idea of time inconsistency.
- Sentence (3) refines the argument, saying that time inconsistency alone is not enough if the benefits are understood, shifting the discussion towards the awareness of benefits.
- Sentence (5) explains how people deceive themselves into thinking they will act later, continuing the theme of time inconsistency.

Thus, Sentence (4) doesn't fit because it discusses cost rather than time inconsistency.

### Quick Tip

When identifying the odd sentence, look for one that introduces an unrelated concept or shifts the focus of the paragraph. In this case, time inconsistency is the main theme, and cost is a separate issue.

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**Q34.** Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out. Choose its number as your answer and key it in.

- (1) Translators are like bumblebees.
- (2) Though long since scientifically disproved, this factoid is still routinely trotted out.
- (3) Similar pronouncements about the impossibility of translation have dogged practitioners since Leonardo Bruni's *De interpretatione recta*, published in 1424.
- (4) Bees, unaware of these deliberations, have continued to flit from flower to flower, and translators continue to translate.
- (5) In 1934, the French entomologist August Magnan pronounced the flight of the bumblebee to be aerodynamically impossible.

**Correct Answer:** (5) In 1934, the French entomologist August Magnan pronounced the flight of the bumblebee to be aerodynamically impossible.

**Solution:**

- Sentence (5) is the odd one out because it is primarily about a scientific fact regarding bumblebees, while the rest of the sentences focus on a metaphorical comparison between translators and bumblebees.
- Sentence (1) sets up the analogy of translators being like bumblebees.
- Sentence (2) introduces the myth or misconception about the impossibility of the bumblebee's flight, which parallels the misconception about translation.
- Sentence (3) connects the idea of impossibility in translation, referencing historical doubts about the practice.
- Sentence (4) concludes the metaphor by showing that despite the disbelief (in both

translation and bumblebees), both continue to function as normal.

Thus, Sentence (5) is unrelated to the metaphor and stands out as factual rather than metaphorical.

#### Quick Tip

In identifying the odd sentence, look for the one that breaks the metaphorical or thematic flow of the paragraph. The odd one out often introduces a literal fact rather than a metaphor or analogy.

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