Cumulative Review 1 (answers p. 212)

1. Many animals recognize the voices of members of their own species, and some can even recognize those of other species, such as humans. _____ it turns out a few animals, including gorillas, can not only identify familiar voices but also connect those voices to pleasant or unpleasant memories.

Ⓐ Therefore,
Ⓑ Indeed,
Ⓒ However,
Ⓓ For example,

2. Judith Jamison decided on a career in dance only after three semesters of studying psychology at Fisk _____ her education at the Philadelphia Dance Academy. In 1964, she was spotted by choreographer Agnes de Mille, who invited her to appear in a performance with the American Ballet Theater.

Ⓐ University, she completed
Ⓑ University and she completed
Ⓒ University, completing
Ⓓ University; completing

3. When a person breaks a bone, it eventually knits itself back together. _____ a researcher at Delft University of Technology in the Netherlands, wondered why buildings couldn't do the same. Inspired by the human body, Jonkers created self-healing concrete.

Ⓐ Microbiologist, Henk Jonkers,
Ⓑ Microbiologist Henk Jonkers,
Ⓒ Microbiologist, Henk Jonkers
Ⓓ Microbiologist Henk Jonkers—

4. Perhaps the ocean organism most vulnerable to temperature change is coral. There is evidence that reefs will bleach—that is, eject algae that play a key role in maintaining their _____ even a slight persistent increase in temperature.

Ⓐ ecosystems—at
Ⓑ ecosystems, at
Ⓒ ecosystems at,
Ⓓ ecosystems: at

Bill's books The girls' books

5. While the Zanzibarian author Abdulrazak Gurnah writes in English, he counts Kiswahili, English, German, Arabic, Hindi, and Gujarati among his linguistic influences. Moreover, his _____ often hinge on questions of translation, mistranslation, and negotiation between languages.

- Ⓐ stories plots
- Ⓑ story's plot's
- Ⓒ stories' plots
- Ⓓ stories plot's

6. The simplest type of bridge can be created by dragging a log over a creek. However, the construction of modern bridges typically requires years of _____ architects, engineers, and artists may spend a decade or more working together to design a single structure.

- Ⓐ education, today,
- Ⓑ education today,
- Ⓒ education today
- Ⓓ education: today,

7. Illusions, cognitive scientists have found, can reveal everything from how we process time and space to how we experience consciousness. _____ if a person watching a waterfall shifts his or her gaze to a group of rocks on the side, the rocks appear to move in the opposite direction from the flow of water.

- Ⓐ Nevertheless,
- Ⓑ Therefore,
- Ⓒ Still,
- Ⓓ To illustrate,

8. Eli Whitney's most famous invention, the cotton gin, was patented in 1794. The _____ is short for "engine," and the cotton gin revolutionized cotton production by automating its processing.

- Ⓐ word, gin,
- Ⓑ word gin—
- Ⓒ word gin
- Ⓓ word gin,

9. Patients who participate in clinical trials hope to gain access to experimental treatments that would not otherwise be available to them. Every clinical drug trial conducted today randomly assigns patients to one of two _____ receives the actual medication.

- Ⓐ groups, however. Only one of which
- Ⓑ groups; however, only one of which
- Ⓒ groups, however, only one of them
- Ⓓ groups; however, only one of them

10. Adam Smith argued that self-interested motives can lead to productive behavior that benefits society and not just the actor. Smith first noted the power of this form of _____ *The Theory of Moral Sentiments* (1759). He later made the argument famous in his classic 1776 treatise, *The Wealth of Nations*.

- Ⓐ motivation, in his first major work,
- Ⓑ motivation. In his first major work,
- Ⓒ motivation in his first major work,
- Ⓓ motivation in his first major work;

11. The scientific contributions of Svante Pääbo have shaped the entire field of paleogenetics, not just the study of Neanderthals. _____ his work has spanned all three known species of humans, one of which the world would likely be unaware if not for Pääbo and his research team.

- Ⓐ Indeed,
- Ⓑ Still,
- Ⓒ Consequently,
- Ⓓ In contrast,

12. Until recently, the polar ice caps on Mars were thought to be frozen solid all the way to their beds due to the cold Martian climate. In 2018, evidence from the European Space Agency's Mars Express satellite challenged this _____ ice-penetrating radar called MARSIS, which can see through the planet's southern ice cap, researchers revealed an area at the base of the ice that was likely to contain liquid water.

- Ⓐ assumption using
- Ⓑ assumption. Using
- Ⓒ assumption, using
- Ⓓ assumption and used

13. The trouble with quantum mechanics was never that it made the wrong prediction. In fact, from the beginning of the twentieth century, when physicists first outlined the _____ it was capable of describing the sub-atomic world with extraordinary accuracy.

Ⓐ theory,
Ⓑ theory;
Ⓒ theory
Ⓓ theory:

14. Best known for the series of 10 plays collectively referred to as "The Pittsburgh Cycle," _____ explores universal themes while exploring the experiences and heritage of the African American community throughout the twentieth century.

Ⓐ playwright, August Wilson,
Ⓑ playwright, August Wilson
Ⓒ playwright August Wilson,
Ⓓ playwright August Wilson

15. In the mid-nineteenth century, governments around the world began to recognize that controlling infectious diseases would require international cooperation. _____ representatives from twelve countries came together in 1851 at the first International Sanitary Conference in an attempt to halt the spread of cholera plague and yellow fever.

Ⓐ Nonetheless,
Ⓑ Accordingly,
Ⓒ Moreover,
Ⓓ On the other hand,

16. Since the early nineteenth century, doomsayers have gloomily predicted that increasing populations would exhaust their food _____ shortages would result in catastrophic famines. Yet the world currently produces enough food to feed 10 billion people, and there are only seven billion of us.

Ⓐ supplies in only a few decades they claimed
Ⓑ supplies, in only a few decades, they claimed
Ⓒ supplies. In only a few decades, they claimed,
Ⓓ supplies in only a few decades they claimed,

17. High-elevation pine trees are among the oldest forms of flora on the North American continent. Among them, *Pinus longaeva* is notable for its extreme longevity and stability during periods of change. Contributing to the species' _____ physiological traits that enhance survival in harsh, dry habits and defensive traits that make it less vulnerable than other high-elevation pines to tree-killing bark beetles.

Ⓐ remarkable durability, are

Ⓑ remarkable durability are:

Ⓒ remarkable, durability are

Ⓓ remarkable durability are

18. Unlike electronic devices, which are powered by the manipulation of electrons, the human brain relies on the movement of ions in liquid. Inspired by this process, researchers have long sought to develop water-based "ionics." Although ions in water move more slowly than the electrons that are used in smartphones or _____ researchers believe that the ionic species with different physical and chemical properties could be harnessed in a variety of ways.

Ⓐ computers,

Ⓑ computers

Ⓒ computers;

Ⓓ computers, but

19. Facing extreme conditions such as starvation and stress, some bacteria enter a dormant state in which life processes stop. Biologists have discovered how these microbes assess environmental conditions before reviving _____ carries implications for evaluating life on Earth as well as other planets.

Ⓐ themselves, this process

Ⓑ themselves this process:

Ⓒ themselves this process

Ⓓ themselves—a process that

20. Most theories claim the Moon formed out of the debris of a collision between the Earth and a Mars-sized object known as Theia, which came together in orbit over a period of months or years. A new simulation advances a different _____ may have formed in a matter of hours, when material from the Earth and Theia was launched into orbit immediately after the impact.

Ⓐ theory, though the Moon

Ⓑ theory, though: the Moon

Ⓒ theory; though, the Moon

Ⓓ theory though the Moon