

1. **Three-quarters of the companies in the country have no female senior executives with women ----, of all seats reserved for management, less than a tenth.**
 - A) keeping up
 - B) putting forward
 - C) accounting for
 - D) dropping out
 - E) refraining from
2. **When it comes to education, that health and safety should be the number one priority during the pandemic is one thing, and that any decision to close schools should not be taken without due ---- is another, though there seem to be no attention paid to this distinction.**
 - A) consideration
 - B) implication
 - C) application
 - D) regulation
 - E) opposition
3. **A report released in 2020 based on a review of three decades of research concluded that studies claiming a ---- effect of capital punishment on murder rates are fundamentally flawed.**
 - A) deterrent
 - B) courageous
 - C) remarkable
 - D) salient
 - E) cumulative
4. **Polio, whooping cough and diphtheria were once endemic in wealthier countries, plaguing any town and claiming thousands of lives until these conditions have been ---- thanks largely to vaccines and treatments.**
 - A) contracted
 - B) eradicated
 - C) diagnosed
 - D) afflicted
 - E) escalated
5. **What makes legal limits outdated and inadequate to ensure the protection of workers' health is that the ---- exposure limits have not been updated by Occupational Safety and Health Administration for a long time.**
 - A) pensive
 - B) permissible
 - C) requisite
 - D) exhaustive
 - E) foreseeable
6. **From the 1220s on, German masters trained in the sculptural workshops of the French cathedrals transplanted the new style to their homeland, although German architecture at that time was ---- Romanesque with little room for variety and innovation.**
 - A) ultimately
 - B) deliberately
 - C) initially
 - D) predominantly
 - E) occasionally
7. **The Leaning Tower of Pisa is undoubtedly the most magnificent piece of architecture in Italy, but the lean only ---- apparent once three of the tower's eight stories ----, leaving no chance to reverse what had been done.**
 - A) becomes / have been built
 - B) has become / are built
 - C) became / had been built
 - D) had become / were built
 - E) is becoming / would be built
8. **For information that ---- from customers easily by direct questioning or observations, social media management software ---- assistance in no time.**
 - A) shouldn't be obtained / had been providing
 - B) mustn't be obtained / has provided
 - C) couldn't have been obtained / is providing
 - D) didn't have to be obtained / provides
 - E) can't be obtained / will provide

9. Poets and writers of the Romantic era went beyond simply ---- about things and instead gave the information readers need ---- the objects and surroundings.
- A) to tell / feeling
 - B) having told / to have felt
 - C) to have been telling / having felt
 - D) telling / to feel
 - E) to have told / to be feeling
10. ---- the pandemic impacting areas of the country and communities unevenly, not everyone is eager to get back to business as usual and many prefer to remain ---- leave almost for good.
- A) With / on
 - B) For / to
 - C) As / out
 - D) Upon / by
 - E) Under / at
11. What is impressive about species of organisms yet to be discovered is the incredible heterogeneity ---- size, shape and way of life – from bacteria living in hot springs at temperatures near the boiling point of water ---- fungi thriving on ice in Antarctica.
- A) of / with
 - B) in / to
 - C) with / by
 - D) for / since
 - E) across / onto
12. The calculation of the optimal amount of enzyme a cell should make is complicated because the answer depends ---- on the specific function of the enzyme ---- how its actions may have a ripple effect on other chemical reactions within the cell.
- A) just as / so
 - B) the more / the more
 - C) such / that
 - D) whether / or
 - E) not only / but also
13. Dutch demands verb conjugations like those in English – for instance, I am, you are, it is, ---- Afrikaans, a language spoken in South Africa which originated from 17th century Dutch, does not bother you with the details.
- A) whereas
 - B) in case
 - C) just as
 - D) until
 - E) even though
14. ---- our bodies can effectively deal with the low levels of radiation that we are exposed to every day, too much of it can damage tissues by changing cell structure and damaging DNA.
- A) As long as
 - B) Before
 - C) Unless
 - D) While
 - E) Because
15. ---- using baking soda when cooking vegetables will help maintain colour, vitamin C will be lost in the alkaline environment produced by it.
- A) As if
 - B) Unless
 - C) Although
 - D) Since
 - E) Before
16. As a result of some behavioural adaptations such as wearing appropriate clothing and building shelters, humans have been able to live in temperate and, ultimately, arctic regions ---- their physiological traits, which would allow them to live essentially in tropical climates.
- A) due to
 - B) rather than
 - C) despite
 - D) in contrast to
 - E) except for

Many universities assign their students reflective writing **(17)** ---- they learn from a particular practical experience by making connections between what they are taught in theory and what they need to do in practice. Reflective writing needs to go way **(18)** ---- simply summarising what happened. **(19)** ---- your reader needs to gain an insight into what the experience meant to you, how you feel about it, how it connects to other things you have experienced and what you plan to do in response. Reflective writing requires a clear line of thought, use of evidence or examples **(20)** ---- your reflections, and an analytical approach. You should set out to strike a balance between your personal perspective and the requirements of good academic practice and **(21)** ---- thinking. This means demonstrating you are well informed, have read relevant literature and reflected on its relevance to your own development.

17.

- A) so that
B) given that
C) whereas
D) although
E) unless

18.

- A) into
B) for
C) towards
D) beyond
E) against

19.

- A) However
B) Therefore
C) Indeed
D) Likewise
E) Otherwise

20.

- A) being illustrated
B) illustrate
C) to have illustrated
D) having illustrated
E) to illustrate

21.

- A) outrageous
B) spacious
C) rigorous
D) prosperous
E) hazardous

The Universal Grammar Approach, the most notable one in the field, **(22)** ---- in the footsteps of L1 (mother tongue) acquisition research, applies the Chomskyan paradigm to the study of L2 (second language) development. This linguistic theory claims that humans inherit a mental language **(23)** ---- which highly constrains the shape that human languages can take and therefore severely limits the kind of hypotheses that children can construct regarding the structure of the language they are exposed to. This is why children acquire their first language easily and speedily **(24)** ---- its complexity and abstractness, at an age when they are not cognitively equipped **(25)** ---- grasp abstract concepts. In this view, the core of language is separate from other aspects of cognition, although it operates in close interaction with them. **(26)** ----, this theory is also often called the “innateness hypothesis”, which indicates that language acquisition is completely dissimilar to other kinds of learning or acquisition such as learning to play a game.

22.

- A) followed
- B) following
- C) being followed
- D) to have followed
- E) to follow

25.

- A) for
- B) for
- C) at
- D) to
- E) by

23.

- A) exposure
- B) barrier
- C) faculty
- D) interference
- E) literacy

26.

- A) However
- B) Therefore
- C) For instance
- D) In short
- E) Otherwise

24.

- A) in spite of
- B) owing to
- C) contrary to
- D) as far as
- E) with respect to

27 – 36: For these questions, choose the best option to complete the given sentence.

27. Because of the low bioavailability of vitamin A from carotenoids in green leafy vegetables, ----.

- A) the consumption of dark-green vegetables has increased
- B) there have been major new discoveries in nutrition and health over the past 30 years
- C) its deficiency impairs immunity and haematopoiesis and causes rashes and typical ocular effects
- D) vegetable gardens may not be the answer to foetal nutrient deficiencies
- E) farmers from 28 countries profited more from a million hectares of biotech crops

28. Photosynthetic algae and seagrasses may benefit from higher CO₂ conditions in the ocean ----.

- A) as they desperately require it to live just like plants on land
- B) since ocean acidification is expected to impact ocean species to varying degrees
- C) even if the pace of ocean acidification is accelerating at an unprecedented level
- D) although an estimated 40% of CO₂ from human activity is released into the atmosphere
- E) when seawater absorbs it and reduces its pH

29. Although diamonds have been discovered in many of the kimberlites, ----.

- A) kimberlites are only found in cratons, the oldest surviving areas that remain unchanged for eons
- B) no individual kimberlite pipe has produced an economically viable diamond mine
- C) they are usually carrot-shaped as the lighter rock tends to give way during the eruption process
- D) prospectors can also use the ground geophysics of kimberlites to locate diamonds
- E) the total proven size of the deposit helps to determine the total value of the diamonds within

30. Even though the 1960s saw the maximum experimentation in terms of colours and sizes of clothing, ----.

- A) plaids of all sizes and darker colours, especially the spectrum between purple, red and green, were heavily favoured
- B) equally colourful jewellery, including textured gold and coloured pearls, complimented the feminine style of clothing
- C) for the first time in the century, London, not Paris, was the centre of the fashion world
- D) from Brigitte Bardot's beehive to Mary Quant's geometric prints, every fashion icon contributed their own signature style to the decade
- E) it wasn't seen as a revolutionary period as everything revolved around tweaking the existing

31. Care must be exercised when undercover investigators are given a fictitious background ---.

- A) if working covertly on the Internet means making a Hotmail account or sitting in a chatroom
- B) unless undercover operations regardless of their location pose a risk to the investigator
- C) as consultation with their superiors might be necessary to identify the scope of the operation
- D) though they pose as a different person in order to purchase an illegal good or service
- E) because social media leaves a digital footprint available to anybody through the Internet

32. ----, glasses were status symbols of intelligence and prosperity.

- A) Although their development as a common treatment for imperfect eyes took centuries
- B) When Romans first created magnifying glasses with spheres to see small text
- C) Because scholarship was a prized attribute during the Renaissance
- D) While ordinary people used pocket glasses that could be folded
- E) Since primitive lenses were set into wooden or leather frames

33. Due to the post-World War II baby boom in Europe, the United States, and Japan, as well as falling fertility rates in less developed countries, ----.

- A) many countries have to contend with populations with rising proportions of older citizens
- B) the world's population currently increases by 83 million people each year
- C) the slow growth in population was interrupted periodically by epidemics and pandemics
- D) death rates decline before birth rates, leading to a population explosion in developing countries
- E) the direct effects of the war upon the populations of the belligerent nations are too terribly apparent

34. ----, some portion is absorbed by water vapour and other greenhouse gases in the atmosphere.

- A) Though the greenhouse effect is a naturally-occurring process and in fact, is quite necessary for survival on Earth
- B) Even if the amount of infrared radiation energy the Earth gives off depends on its temperature
- C) While some of the Sun's energy radiates back into space as infrared energy after it hits the Earth
- D) Given that anthropogenic greenhouse gas emissions lead to atmospheric concentrations of carbon dioxide and methane
- E) As soon as the re-emitted energy returns to the surface and warms the lower atmosphere and surface

35. Many people have turned to fish oil supplements for omega-3 fatty acids ----.

- A) even if these acids are beneficial in reducing the risk of coronary heart disease and hypertension
- B) because the benefit of fish oil seems to come from the omega-3 fatty acids that it contains
- C) until they develop allergies and are forced to use them cautiously
- D) although it hasn't yet been determined whether such replacements have the same health effects
- E) while high levels of saturated fatty acid intake have a negative effect on the blood lipid profile

36. ----, it may not be possible for a company to get higher revenue and so an advantage in the market.

- A) Because the ultimate goal of any business should be to have corporate strategic goals
- B) Unless employees are intrinsically motivated to deliver high quality work consistently
- C) While a company's financial statements could show revenues that are growing quarter-over-quarter or year-over-year
- D) If recruiting and hiring processes have changed fundamentally thanks to technology
- E) Even if large marketing corporations have more applicants than they can readily manage

68 – 71: For these questions, choose the best rephrased form of the given sentence.

68. Studies of adopted children who display criminal behaviour suggest that their behaviour is more similar to their biological parents' behaviour, hinting a genetic link.

- A) Studies show that children exhibit criminal behaviour once adopted, but they act similarly to their biological parents' due to the genetic link.
- B) According to some studies on criminal behaviour, there is a genetic link between the behaviours of adopted children and their biological parents.
- C) Behaviours of adopted children involved in crimes have been studied and it has been found that they are similar to their biological parents.
- D) Adopted children who engage in criminal activity are shown to behave much like their biological parents, which indicates a genetic connection.
- E) It is proposed in some studies that behaviours of children involved in crimes are genetically closer to their biological parents when they are adopted.

69. The aspirin we know came into being in the 1890s in the form of acetylsalicylic acid when chemist Felix Hoffmann used it to alleviate his father's rheumatism.

- A) We know that chemist Felix Hoffmann, whose father suffered from rheumatism, invented aspirin in the 1890s by using acetylsalicylic acid.
- B) Chemist Felix Hoffmann is known to have used acetylsalicylic acid to form aspirin so that he could treat his father's rheumatism in the 1890s.
- C) In the 1890s, chemist Felix Hoffmann's use of acetylsalicylic acid to relieve his father's rheumatism gave birth to the aspirin we know today.
- D) People hadn't known aspirin before chemist Felix Hoffmann invented acetylsalicylic acid in order to relieve his father's rheumatism in the 1890s.
- E) The aspirin we know today was born out of acetylsalicylic acid in the 1890s because Felix Hoffmann's father needed treatment for his rheumatism.



70. Excavated in 1911 from a tomb in Gerzeh, the beads represent examples of iron use second to none in ancient Egypt and it is their nickel-rich chemical composition that confirms their meteorite origins.

- A) The beads, whose meteoric roots have been affirmed thanks to their high nickel content, and which were discovered in 1911 in a tomb in Gerzeh, are the earliest known instances of iron use in old Egypt.
- B) The first examples of iron use were the beads excavated in 1911 from a tomb in Gerzeh in ancient Egypt and their origin is claimed to be meteorites due to their rich nickel composition.
- C) Ancient Egyptians are believed to have used iron in beads first, which were originally composed of high amounts of meteoric nickel and were discovered in a tomb in Gerzeh in 1911.
- D) Excavations in a tomb in Gerzeh in 1911 revealed the earliest Egyptian uses of iron in beads, which included a lot of nickel originating from meteorites.
- E) Owing to their meteorite origins and their composition of nickel-rich iron, the beads that Egyptians found for the first time in a tomb in Gerzeh in 1911 are assumed to be the earliest known instances of iron.

71. While mid-level performing athletes nearly always fall short of using banned substances, low-level ones tend to think that it is essential to achieve national or international success.

- A) Mid-level athletes as well as the low level ones have a consistent tendency to promote the use of forbidden substances as they comprehend its necessity for local or global success without falling short of energy.
- B) The performance of mid-level athletes is always disappointing due to the use of illegal drugs, a requirement they acknowledge to be successful nationally or internationally.
- C) Athletes performing at the middle level believe they need to use banned substances for success at national or international games, but they are never allowed to do so unlike the low-level ones who tend to use them.
- D) Despite the fact that national or international success can only be achieved by using prohibited substances according to low-level athletes, athletes with mid-level performance almost always reject this idea.
- E) Although athletes of average performance almost never use substances that are prohibited, the low-level ones are inclined to recognizing the importance of doing so to enjoy national or international success.

76 – 80: For these questions, choose the irrelevant sentence in the passage

76. (I) Though it is unclear exactly when cacao came on the scene, the history of chocolate can be traced to the Mayans, and even earlier to the ancient Olmecs of southern Mexico. (II) According to Hayes Lavis, cultural arts curator for the Smithsonian's National Museum, ancient Olmec pots and vessels from around 1500 B.C. were discovered with traces of theobromine, a stimulant compound found in chocolate. (III) This compound, when consumed at high doses, may produce mild effects, including sweating, trembling, and headaches. (IV) It is thought cacao was used to create beverages to drink during spiritual ceremonies at the time. (V) However, without written history, opinions differ on if cacao beans were used in concoctions or just the pulp of the cacao pod.

A) I B) II C) III D) IV E) V

77. (I) Artificial sweeteners, also called sugar substitutes or alternative sweeteners, are substances used to replace sugar in foods and beverages. (II) They can be divided into two: nutritive sweeteners, providing energy in the form of calories, and non-nutritive sweeteners, high-intensity sweeteners providing almost no energy. (III) Nutritive sweeteners include the natural sugars such as sucrose in table sugar, fructose found in fruit as well as table sugar, and galactose, or milk sugar. (IV) Sucrose differs from fruit sugar because it undergoes processing and manufacturers tend to overuse it as additives in food and other products. (V) Non-nutritive sweeteners, such as saccharin and aspartame, are synthetic compounds that are between 160 and 13,000 times as sweet as sucrose.

A) I B) II C) III D) IV E) V

78. (I) The number of wild boars in Denmark has fallen since a 70-kilometer fence was erected along the German border to protect the valuable Danish pork industry. (II) Danish pork producers observed high standards of animal welfare, and farmers constantly strove to improve the welfare of live pigs. (III) The aim was to prevent wild swine crossing from Germany and breeding with farm pigs or possibly bringing in disease. (IV) There were concerns the barrier would not work because the fence had gaps where it crossed roads and rivers. (V) However, since then, the number of wild pigs in Denmark has fallen from 40 to fewer than 25.

A) I B) II C) III D) IV E) V

79. (I) Hawking realised black holes could be a way to explore physics' holy grail: a unified theory that combined general relativity with quantum mechanics. (II) These two powerful but incompatible theories describe the universe at the cosmic scale and subatomic scale respectively. (III) Hawking's attempts to combine them produced a surprising result – that black holes should shine. (IV) Searching for small black holes meant looking for places where their powerful gravitational fields bend light — a phenomenon called microlensing. (V) The equation Hawking came up with to explain how this phenomenon works became his most notable achievement, which was named after him – Hawking radiation.

A) I B) II C) III D) IV E) V

80. (I) Olive oil, and especially virgin olive oil, is recognized as one of the healthiest edible oils in human diet for good reason. (II) Multiple biological properties, providing beneficial effects in the prevention of degenerative diseases and also of aging, have been attributed to it. (III) With its high content of oleic acid and the wide number of minor constituents with antioxidant properties, it is much better at fighting inflammation. (IV) Chronic inflammation is believed to be among the leading drivers of many diseases, including heart disease, cancer, metabolic syndrome, diabetes, and arthritis. (V) Apart from inflammation studies also support the view that olive oil intake protects against heart disease and LDL cholesterol.

A) I B) II C) III D) IV E) V