

7. Besides being home to Kip's family, what does the farm act as?
8. According to Kip, what do abandoned kids need?
9. When are the children at the orphanage free to do as they like?
10. What is going to be built on the farm?

PART 3: Listen to the news about TV comedies and climate change and fill in the missing information. Write NO MORE THAN THREE WORDS taken from the recording for each answer in the space provided. Write your answers in the corresponding numbered boxes on the answer sheet. (20 points)

One of the most outstanding episodes of the long running sitcom is “Mr. Plow” from the Simpsons’ 4th season. For the (11) _____, this 1992 episode involves Homer starting a successful snow plow business that is ultimately spoiled, first by friendly rivalry then by an unseasonably warm winter day. Indifference to climate change, however, can be observed in 41% of American population, which calls for (12) _____. Although scripted media, with programs ranging from embedded marketing to (13) _____, can substantially influence individuals’ points of view, only marginal amounts of its screen time is given to the issue of climate change. In addition to limited time on air, television comedy triggers the misconception of climate change as ‘non-existent’ by impeding action and treating activists as (14) _____. Featuring ‘bringing about warmer weather’ as climate change’s positive side was even considered as (15) _____ by most viewers, which repeatedly encouraged comedies to use such inappropriate framing with fixed (16) _____. Such disregard of climate change continued until the 2010s, when the media had become (17) _____ about the issue, yet further efforts were needed to raise awareness among the public. During the first decade of this century, the (18) _____ of characters, exemplified by their extravagant attitude to the environment, was a great source of humor. However, a (19) _____ is often given to the environmentalist characters before the episode ends, depicting them as ‘pseudo-environmentalist’ or ‘imperfect’. Thus, repeatedly watching comedies with such character archetype can result in (20) _____ about motives and general disinterest about learning more.

11.	12.
13.	14.
15.	16.
17.	18.

- A. in B. on C. at D. for
34. I do wish you would stop cracking your fingers; it _____ my teeth on edge.
A. gets B. makes C. puts D. sets
35. One way to let off _____ after a stressful day is to take some vigorous exercise.
A. cloud B. tension C. steam D. sweat
36. My younger brother has applied for a(n) _____ lot of jobs but he's only been short-listed once.
A. awful B. dreadful C. enormous D. wide
37. With his _____ appetite, he can surely finish the whole pot of rice.
A. meticulous B. scrupulous C. sumptuous D. voracious
38. The police asked one patient to give a _____ description of all the places that she had visited in 14 days.
A. blow-by-blow B. word-for-word C. up and down D. in and out
39. Nam and Long have _____ school today to watch the match at the stadium.
A. sponged off B. stamped out C. sneaked out D. skived off
40. The students' plan for a musical show to raise money for charity received _____ support from the school administrators.
A. light-hearted B. warm-hearted C. whole-hearted D. big-hearted

PART 2: For questions 41 -50, use the capital word in bold given to form a word that fits in the gap. There is an example that has been done for you. Write your answers in the corresponding numbered boxes on the answer sheet. (20 points)

Example:

0. Scientists are becoming ***increasingly*** concerned about the effects of global warming on our life. **INCREASE**
41. The jury must be objective and _____ at all times. **PART**
42. Thanks to the _____ policy, more and more forests have been formed on locations that used to be treeless. **FOREST**
43. Before enrolling on a course, you should first ensure that it has been _____ by an officially recognized body. **VALID**
44. I know it's a bit annoying but there's no need to _____ to such an extent. **ACT**
45. The boy was very violent and his parents found him _____. **MANAGE**
46. Politeness is one thing. Real kindness is another. You must learn to _____ between the two. **DIFFERENT**
47. For some people the use of internet has become _____ addictive to the extent that is threatening their mental and physical health. **RESIST**
48. Officials are worried that allowing these refugees into the country will open the _____ to thousands more. **FLOOD**

49. They couldn't play because the pitch was _____.
50. His _____ towards other people made him very unpopular.

**WATER
CIVIL**

PART 3: For questions 51-60, complete each of the following sentences with one appropriate preposition or particle. Write your answers in the corresponding numbered boxes on the answer sheet. (10 points.)

51. We'd expected a two-hour drive but had reckoned _____ the rain.
52. In the TV interview, they blacked _____ the victim's face.
53. I don't think I managed to put myself _____ very well in my interview.
54. The hunt chased the fox until it was too tired and weak to run then closed _____ for the kill.
55. He scolded her so much that she was reduced _____ tears by the end of the meeting.
56. He has to visit them _____ the sly.
57. I heard _____ the grapevine that Jack had been dropped from the basketball team.
58. _____ all her faults I still love her.
59. The political candidate knew the issue was a hot potato, so he deferred _____ his chief of staff, who directed questions to the committee chairperson.
60. Don't let my mother watch any of those sad movies. She cries _____ the drop of a hat.

SECTION III: READING (60 points)

PART 1. For questions 61 – 70, read the passage below and then choose which option (A, B, C or D) best fits each space. Write your answers in the corresponding numbered boxes on the answer sheet. (15 points)

The Beauty of the Beasts

The earliest known drawings, which survive in the in the depths of caves in Western Europe, date back about 30,000 years. The fact that some people (61) _____ along underground passages in (62) _____ darkness to create them is evidence that producing such pictures was an (63) _____ of great importance to these artists.

But what was their (64) _____? Perhaps drawing was an essential part of the ceremonials enacted to bring success in hunting. Perhaps the paintings were intended not to (65) _____ the death of the creatures portrayed but, (66) _____, to ensure their fertility, and thus a good supply of meat. The only certainty is that these drawings are assured, (67) _____ and breathtakingly beautiful.

This practice of painting images of animals on walls has continued throughout our history. Five thousand years ago, when people in Egypt began to build the world's first cities, they too (68) _____ animals on their walls. There is no doubt about the function of these: the Egyptians worshipped animals as gods. But they also (69) _____ in the natural beauty of the animals, adorning the walls of their underground tombs with their pictures, so those in the next world would be (70) _____ of the beauties and delights of this one.

61. A. wriggled B. crawled C. dawdled D. proceeded
62. A. whole B. entire C. full D. total

- | | | | |
|--------------------|--------------------|---------------|----------------|
| 63. A. act | B. exploit | C. operation | D. execution |
| 64. A. profit | B. principle | C. purpose | D. procedure |
| 65. A. take in | B. bring about | C. put across | D. make off |
| 66. A. in contrast | B. on the contrary | C. not at all | D. out of hand |
| 67. A. right | B. correct | C. accurate | D. true |
| 68. A. retrieved | B. recuperated | C. inscribed | D. disparaged |
| 69. A. delighted | B. ascribed | C. engendered | D. concurred |
| 70. A. reminisced | B. reminded | C. notified | D. comprised |

PART 2: For questions 71-80, read the passage and fill each of the following numbered blanks with ONE suitable word. Write your answers in the corresponding numbered boxes on the answer sheet. (15 points)

Nowadays the most common balloon flights are usually for pleasure or sport, but did you know that ballooning began (71) _____ a science in the 18th century?

It all started in 1783, when the Montgolfier brothers were looking (72) _____ the properties of smoke. What caught their attention was the fact that (73) _____ could make things rise. They experimented for a year or (74) _____ before they were ready to show their invention to everyone. On their first attempt, they (75) _____ a silk bag with hot air from a fire. The balloon rose more than 1.5 km into the (76) _____. Five months later, in November 1783, history was made once more when the first flight (77) _____ passengers left the ground. The volunteers took off from Paris and remained in the air for over twenty minutes.

Soon afterwards, scientists all over Europe became interested in the potential of ballooning, and it wasn't long before the activity became very popular. Lots of enthusiastic fans also experimented with ballooning and (78) _____ to its development. In the 19th century, gas balloons were used for many different purposes, the most important one (79) _____ polar exploration.

In the twentieth century, hot-air ballooning was re-introduced, due to a much improved propane burner. This has been responsible for a whole new generation becoming interested in (80) _____ either for scientific or sporting reasons.

PART 3: Read the following passage and write the letter A, B, C, or D to indicate the correct answer to each of the questions from 81 to 90. Write your answers in the corresponding numbered boxes on the answer sheet. (15 points)

About 100 different antibiotics are currently available commercially in the United States. These antibiotics block the life cycle of bacteria that invade the human body. The first of these antibiotics, penicillin, works by blocking the molecules that construct the cell walls of particular bacteria. The bacteria, with incomplete cell walls, are not able to reproduce - in fact, they usually just explode as the rest of the cell goes about the process of mitosis.

When penicillin was introduced during World War II, it was truly a “miracle drug”. Until that time, anyone who was cut or wounded stood a great risk of bacterial infection. Once penicillin became available, the situation changed. Not only wounded soldiers, but also children with ear infections, old people with pneumonia, and many others began to benefit from the ability to introduce molecules into the body that would block the growth of bacteria.

While humanity may have won that particular battle against bacteria, the war is far from over. **The reason is that in any bacterial population, there are bound to be a few bacteria that, for one reason or another, are not affected by a particular antibiotic.** For example, they may have a slightly differently shaped enzyme that builds cell walls, so that penicillin will not fit onto that particular shape of the enzyme. These bacteria will not be affected by that particular drug.

In fact, for that small group of resistant bacteria, the introduction of the antibiotic is a real godsend. It doesn't affect **them**, but it does wipe out all of their competition. They are thus free to multiply, and, over time, all of the bacteria will have whatever properties that made those individuals resistant.

Traditionally, medical scientists have dealt with this phenomenon by developing a large number of antibiotics, each of which intervenes in the bacterial life cycle in a slightly different way. Consequently, if you happen to have a bacterium that is resistant to one antibiotic, probably it will succumb to the action of another. You may, in fact, have had the experience of going to a doctor with an infection, being given an antibiotic, and then finding that it didn't work. In all likelihood, all your doctor had to do then was prescribe a different antibiotic and everything was fine.

The problem is that as time has passed, more and more bacteria have become resistant to more and more antibiotics. In fact, as of this writing, there is one strain of bacteria - a common hospital *Staphylococcus* - that is resistant to every commercially available antibiotic except one, and in 1996, a bacterium with lowered resistance to that last antibiotic appeared in Japan.

The appearance of drug-resistant bacteria is not particularly surprising; in fact, it probably should have been **anticipated**. [A] Nevertheless, in the late 1980s, there was a general sense of **complacency** among scientists on the antibiotic question. Little profit was to be made by developing the one-hundred-and-first antibiotic. [B] Drug companies concentrated their efforts on what seemed to be more useful and profitable areas. Because of this situation, a gap developed between the production of new antibiotics and the development of resistance among bacteria.

By the early 1990s, this gap was recognized - in fact, the problem was highlighted in several national news magazines. [C] More companies returned to the task of developing new kinds of antibiotics, and as this book is being prepared, a number are undergoing clinical trials. [D] By early in the twenty-first century, some of these new drugs will start to come on the market, and the problem will be “solved”, at least for the moment. There may, however, be a gap in the early 2000s when it is quite possible that the old scourge of bacterial infection will once again threaten humanity.

Much current research and funding is being devoted to genetic diseases, which arise from one or more malfunctioning genes. A promising future technology, gene therapy involves replacing a

defective gene with a healthy one. Additional research will focus on the processes by which cells repair the constant damage to DNA, but the computer design of new drugs, the development of new antibiotics, and techniques to combat bacteria should remain a top priority.

81. Which of the following best expresses the main idea of this passage?
- A. The "miracle drug" penicillin
B. Drug-resistant bacteria
C. *Staphylococcus* infections
D. Gene therapy treatments
82. How do antibiotics treat infections?
- A. They interfere with the reproductive cycle of bacteria.
B. They construct cell walls to resist bacteria.
C. They inject enzymes that explode in affected cells.
D. They increase the mitosis of healthy cells.
83. The word **them** in the passage refers to _____.
- A. whatever properties
B. resistant bacteria
C. their competition
D. those individuals
84. The word **anticipated** in the passage is closest in meaning to _____.
- A. predicted
B. concealed
C. investigated
D. disregarded
85. The word **complacency** in the passage is closest in meaning to _____.
- A. consensus of agreement
B. fear of consequences
C. lack of concern
D. awareness of potential
86. According to paragraph 4, why do some bacteria benefit from antibiotics?
- A. The antibiotic eliminates competing bacteria, allowing resistant bacteria to reproduce.
B. The resistant bacteria compete with the antibiotic, and the bacteria becomes stronger.
C. The competition helps the resistant bacteria to multiply by reproducing with the resistant type.
D. The properties of the antibiotic are acquired by the bacteria, making it resistant to the competition.
87. Which of the sentences below best expresses the information in the highlighted statement in the passage?
- A. Some antibiotics affect a population of bacteria more efficiently than others.
B. There are several reasons why some bacteria do not respond to most antibiotics.
C. The effect of antibiotics on bacteria is to bind them together into one population.
D. A small number of bacteria in any sample will probably be resistant to a specific antibiotic.
88. The author mentions all of the following reasons for drug resistant bacteria to appear **EXCEPT** _____.
- A. there was not enough profit incentive for companies to continue developing new antibiotics
B. statistically, some drug-resistant bacteria will occur naturally in any large population of bacteria
C. newer antibiotics were not as strong and effective as the original penicillin-based drugs
D. competing bacteria are destroyed by antibiotics, allowing resistant bacteria to prosper
89. It can be inferred from the passage that _____.

- A. research to develop new antibiotics will not be necessary in the future
- B. the scientific community was not surprised by the resistant strains of bacteria
- C. antibiotics are not very expensive when they are made available commercially
- D. it takes years for a new drug to be made available commercially for consumers

90. Four squares [A], [B], [C] and [D] indicate where the following sentence can be added to passage. *There was a clear pattern of resistance in previously effective antibiotics that should have alerted the scientific community to the problem.*

Where would the sentence best fit into the passage?

- A. [A] B. [B] C. [C] D. [D]

PART 4. *The following reading passage has 7 paragraphs (A-F). Read the passage and answer the questions 91-100. (15 points)*

For questions 91-95, choose the correct heading for paragraphs A, C-E and H, from the list of headings below. Write the correct number, i-xi, in boxes 91-95 on your answer sheet. 0 is an example.

List of Headings

- i Scientists' call for a revision of policy
- ii An explanation for reduced water use
- iii How a global challenge was met
- iv Irrigation systems fall into disuse
- v Environmental effects
- vi The financial cost of recent technological improvements
- vii The relevance to health
- viii Addressing the concern over increasing populations
- ix A surprising downward trend in demand for water
- x The need to raise standards
- xi A description of ancient water supplies

Example

0. Paragraph B Answer: **iii**
91. Paragraph A
92. Paragraph C
93. Paragraph D
94. Paragraph E
95. Paragraph H

A The history of human civilisation is entwined with the history of the ways we have learned to manipulate water resources. As towns gradually expanded, water was brought from increasingly

remote sources, leading to sophisticated engineering efforts such as dams and aqueducts. At the height of the Roman Empire, nine major systems, with an innovative layout of pipes and well-built sewers, supplied the occupants of Rome with as much water per person as is provided in many parts of the industrial world today.

B During the industrial revolution and population explosion of the 19th and 20th centuries, the demand for water rose dramatically. Unprecedented construction of tens of thousands of monumental engineering projects designed to control floods, protect clean water supplies, and provide water for irrigation and hydropower brought great benefits to hundreds of millions of people. Food production has kept pace with soaring populations mainly because of the expansion of artificial irrigation systems that make possible the growth of 40 % of the world's food. Nearly one fifth of all the electricity generated worldwide is produced by turbines spun by the power of falling water.

C Yet there is a dark side to this picture: despite our progress, half of the world's population still suffers, with water services inferior to those available to the ancient Greeks and Romans. As the United Nations report on access to water reiterated in November 2001, more than one billion people lack access to clean drinking water; some two and a half billion do not have adequate sanitation services. Preventable water-related diseases kill an estimated 10,000 to 20,000 children every day, and the latest evidence suggests that we are falling behind in efforts to solve these problems.

D The consequences of our water policies extend beyond jeopardising human health. Tens of millions of people have been forced to move from their homes - often with little warning or compensation - to make way for the reservoirs behind dams. More than 20 % of all freshwater fish species are now threatened or endangered because dams and water withdrawals have destroyed the free-flowing river ecosystems where they thrive. Certain irrigation practices degrade soil quality and reduce agricultural productivity. Groundwater aquifers are being pumped down faster than they are naturally replenished in parts of India, China, the USA and elsewhere. And disputes over shared water resources have led to violence and continue to raise local, national and even international tensions.

E At the outset of the new millennium, however, the way resource planners think about water is beginning to change. The focus is slowly shifting back to the provision of basic human and environmental needs as top priority - ensuring 'some for all,' instead of 'more for some'. Some water experts are now demanding that existing infrastructure be used in smarter ways rather than building new facilities, which is increasingly considered the option of last, not first, resort. This shift in philosophy has not been universally accepted, and it comes with strong opposition from some established water organisations. Nevertheless, it may be the only way to address successfully the pressing problems of providing everyone with clean water to drink, adequate water to grow food and a life free from preventable water-related illness.

F Fortunately - and unexpectedly - the demand for water is not rising as rapidly as some predicted.

As a result, the pressure to build new water infrastructures has diminished over the past two decades. Although population, industrial output and economic productivity have continued to soar in developed nations, the rate at which people withdraw water from aquifers, rivers and lakes has slowed. And in a few parts of the world, demand has actually fallen.

G What explains this remarkable turn of events? Two factors: people have figured out how to use water more efficiently, and communities are rethinking their priorities for water use. Throughout the first three-quarters of the 20th century, the quantity of freshwater consumed per person doubled on average; in the USA, water withdrawals increased tenfold while the population quadrupled. But since 1980, the amount of water consumed per person has actually decreased, thanks to a range of new technologies that help to conserve water in homes and industry. In 1965, for instance, Japan used approximately 13 million gallons of water to produce \$1 million of commercial output; by 1989 this had dropped to 3.5 million gallons (even accounting for inflation) - almost a quadrupling of water productivity. In the USA, water withdrawals have fallen by more than 20 % from their peak in 1980.

H On the other hand, dams, aqueducts and other kinds of infrastructure will still have to be built, particularly in developing countries where basic human needs have not been met. But such projects must be built to higher specifications and with more accountability to local people and their environment than in the past. And even in regions where new projects seem warranted, we must find ways to meet demands with fewer resources, respecting ecological criteria and to a smaller budget.

Questions 96-100

Do the following statements agree with the information given in the reading passage?

In boxes 96-100 on your answer sheet, write

- | | |
|------------------|--|
| YES | if the statement agrees with the claims of the writer |
| NO | if the statement contradicts the claims of the writer |
| NOT GIVEN | if it is impossible to say what the writer thinks about this |

96. Water use per person is higher in the industrial world than it was in Ancient Rome.
97. Feeding increasing populations is possible due primarily to improved irrigation systems.
98. Modern water systems imitate those of the ancient Greeks and Romans.
99. Industrial growth is increasing the overall demand for water.
100. Modern technologies have led to a reduction in domestic water consumption.

SECTION IV: WRITING (50 points)

PART 1: Read the following passage and use your own words to summarise it. Your summary should be about 140 words long. (20 points)

Green cities are urban areas that prioritize sustainability, environmental conservation, and the well-being of residents. These cities implement a variety of strategies to minimize their ecological footprint and promote a healthier living environment. One key aspect of green cities is sustainable transportation infrastructure. This includes investing in public transportation systems such as buses, trams, and trains to reduce reliance on private vehicles and decrease traffic congestion and air pollution. Additionally, green cities prioritize non-motorized modes of transportation such as walking and cycling by creating pedestrian-friendly streets, bike lanes, and greenways.

Another crucial element of green cities is sustainable urban planning and design. This involves the development of compact, mixed-use neighborhoods that reduce the need for long commutes and promote walkability and community interaction. Green building practices are also emphasized, with the construction of energy-efficient, eco-friendly buildings that minimize energy and water consumption and utilize renewable materials. Urban green spaces play a vital role in green cities, providing residents with access to nature, improving air quality, and mitigating the urban heat island effect. Parks, green roofs, community gardens, and urban forests are integrated into the urban fabric to enhance biodiversity and create recreational opportunities.

Waste management is another key aspect of green cities, with a focus on reducing, reusing, and recycling materials to minimize landfill waste and promote a circular economy. Sustainable water management practices, such as rainwater harvesting and wastewater recycling, are also implemented to conserve water resources and reduce pollution. Moreover, green cities prioritize environmental education and community engagement to raise awareness about sustainability issues and encourage participation in green initiatives.

By implementing these strategies, green cities strive to create healthier, more resilient, and environmentally friendly urban environments that improve the quality of life for residents now and in the future.

PART 2: Write an essay of about 250 words on the following topic. (30 points)

Nowadays, many people believe that school leavers should choose to do vocational courses rather than go to university to study academic subjects.

To what extent do you agree or disagree?

Give reasons for your answer and include any relevant examples from your own knowledge or experience.