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飞凡真题预测•2月07日-2月20日 (version 6.2.2)

写作部分•Summarise Written Text

飞凡英语新题速递汇总 (2025.2.06)

SWT

老题新考 2 题
#10425 #21634

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WRITING 写作部分

Summarise Written Text (总结书面文本)

	题型重要性	题目难度	机经命中率	练习时间分配建议	本次更新必看
SWT	☆☆	☆	1-2 约中 1	☆	老题新考 2 题
备考要点	分析考点 1：借助段落结构和信号词快速定位到关键点 分析考点 2：掌握高效、正确的做题方法和技巧，确保格式、词汇和语法满分，内容至少抓住一半以上即可，做到事半功倍				
练习顺序	命中率 50% 左右，但占分比重小，且做题技巧易掌握，所以不需要刷完整版机经，练习 4-6 篇高频，找老师批改即可				



WRITING 写作部分

Summarise Written Text (总结书面文本)

1. #23254 Negotiation 高频 机经题 超高频

Negotiation is a common process in business to mainly solve business conflicts between both parties. Compromise is a basic negotiation state in which both parties give up something that they want in order to get something else they want more. Compromise usually occurs in unfair parties when there is a fixed pie to be divided up, and whatever on one side gets, the other side loses.

In compromise situations, neither side gets all of what they really want, but they each make concessions in order to reach an agreement that is acceptable to both. Both parties usually can reach win-win concept through compromise. However, negotiation cannot resolve all the conflict if one party is unwilling to resolve the problem.

参考答案

Negotiation is a common process in business to solve conflicts, and compromise is a basic negotiation state in which both parties give up something, which usually occurs when there is a fixed pie to divide, and both sides make concessions to reach an acceptable agreement, but negotiation cannot work if one party is unwilling to resolve the problem. (58 words)

2. #23244 Computer and brain 高频 机经题 超高频

不完整 待补充

Some cognitive scientists are trying to use computers to mimic human brains because they think computers and human brains are similar. For example, computers can store and retrieve information, and human brains can remember and recall information. However, some scientists argue that these two are different because the human brain can generate emotions, whereas computers process faster than human brains do. Therefore, it is not realistic to use computers to mimic human brains.

参考答案



Some cognitive scientists try to use computers to mimic human brains because both can store and retrieve information, but others argue they differ because human brains generate emotions and computers are faster, so it is not realistic to expect computers to fully mimic human brains. (55 words)

3. #23243 Urbanization **高频 机经题 超高频**

Urbanization has been a defining trend of the modern era, with more than half of the world's population now living in cities. Cities offer numerous advantages, including access to better job opportunities, healthcare, education, and cultural amenities. The concentration of people and resources in urban areas drives economic growth and innovation, making cities engines of development. Additionally, cities often serve as melting pots of diverse cultures, fostering social integration and the exchange of ideas. However, living in cities also presents several challenges. Urban areas are frequently plagued by issues such as traffic congestion, pollution, and high living costs. The dense population can strain infrastructure and public services, leading to problems

like inadequate housing and healthcare facilities. Furthermore, cities are often characterized by stark inequalities, with significant disparities in wealth and access to resources between different neighborhoods. The rapid pace of urbanization can exacerbate these issues, as cities struggle to accommodate the growing population. Sustainability is another critical concern for urban living. High energy consumption and waste generation contribute to environmental degradation and climate change. To address these challenges, urban planners and policymakers are increasingly focusing on creating sustainable, livable cities. This involves promoting public transportation, green spaces, renewable energy sources, and efficient waste management systems. By adopting such measures, cities can enhance the quality of life for their residents while minimizing their environmental impact. Ultimately, while cities offer numerous benefits, they also require careful planning and management to ensure that they remain vibrant, inclusive, and sustainable places to live.

参考答案

Urbanization puts over half the world's population in cities and offers job opportunities, healthcare, education and cultural amenities, but cities face congestion, pollution, high living costs and strained infrastructure, so sustainability is important because planners must promote transport, green spaces and renewable energy. (49 words)



4. #23242 Economic troubles 高频 机经题 超高频

As economic troubles stop flaring up around the globe, the earning estimates of American firms who do business abroad begin to flatten. Without these international consumers to buy their products, there are fewer sales, which means that inventories pile up. When there is more supply than demand, prices go down. Lower prices would normally cause demand to pick up, but in an uncertain economy, people tend to postpone purchases. We see this tendency in the American economy with computer products where consumers believe that the prices will go down if they wait another six months, so they decide to hold off. This tendency causes further gluts in the market, which eventually leads manufacturers to slow production. They lay off workers, causing domestic consumption to fall further since there is less money to buy goods. These effects ripple throughout the economy and create a deflationary spiral that can lead to a recession or even a depression.

参考答案

When global economic troubles reduce overseas demand and cause falling prices, consumers delay purchases, so inventories grow and production slows, and firms lay off workers, causing spending to drop further and creating a deflationary spiral. (35 words)

5. #23233 Volcano 高频 机经题 超高频

About volcano eruption with data included, such 49%, 52%, ...

It takes many events to predict eruptions of volcano. And a single event is not enough.

Demo can help predict that.

Though, each volcano is different from one another, and thus it depends on its own reliability.

Some eruptions occur without previous signals.

With an example of eruption, predictions require long-term research on volcanos.

Residents near volcanos can offer their discoveries to scientists.

参考答案



Predicting volcano eruptions requires many events and a single event is not enough, but demos can help, and each volcano is different so predictions need long-term research, and residents near volcanoes can provide observations to scientists. (50 words)

6. #23232 Bertrand Russell 高频 机经题 超高频

As a philosopher, mathematician, educator, social critic and political activist, Bertrand Russell authored over 70 books and thousands of essays and letters addressing a myriad of topics. Awarded the Nobel Prize in Literature in 1950, Russell was a fine literary stylist, one of the foremost logicians ever, and a gadfly for improving the lives of men and women.

He was arguably the greatest philosopher of the 20th century and the greatest logician since Aristotle. Analytic philosophy, the dominant philosophy of the twentieth century, owes its existence more to Russell than to any other philosopher. And the system of logic developed by Russell and A.N. Whitehead, based on earlier work by Dedekind, Cantor, Frege, and Peano, broke logic out of its Aristotelian straitjacket. He was also one of the century's leading public intellectuals and won the Nobel Prize for Literature in 1950 "in recognition of his varied and significant writings in which he champions humanitarian ideals and freedom of thought."

Russell was involved, often passionately, in numerous social and political controversies of his time. For example, he supported suffragists, free thought in religion and morals, and world government; he opposed World War I and the Vietnam War, nationalism, and political persecution. He was jailed in 1918 for anti-war views and in 1961 for his anti-nuclear weapons stance.

He was married 4 times and had 3 children. With Dora Russell, he founded the experimental Beacon Hill School. He knew or worked with many of the most prominent figures in late 19th and 20th century philosophy, mathematics, science, literature, and politics.

参考答案

Bertrand Russell was a philosopher, mathematician, educator, social critic, and activist who wrote over 70 books and many essays, and he won the Nobel Prize in Literature in



1950, and although he was involved in political controversies, he also founded the experimental Beacon Hill School with Dora Russell. (72 words)

7. #23231 Complaints 高频 机经题 超高频

Humans love to complain to each other. It helps us feel less alone. Think about what happens when a family member or friend is going through a tough time; they call up someone who will listen to their tale of woe. Unfortunately, negative bonding is the default for many groups.

In some families, complaining is the only way to get attention. When one person says, I had a bad day; the other person has to top it. "You think you had a tough day, I had to do three TPS reports!" The same thing happens at work and in social settings. "Your child didn't sleep through the night until 6 months? Mine was a full year old before she went over six hours." It's a race to the bottom; the worst situation wins.

In Bitching is Bonding, A Guide To Mutual Complaint, Irene S. Levine, Ph. D., a professor of psychiatry at the NYU Langone School of Medicine, says, "The reason these conversations feel good is that we feel understood."

People raised in negative environments learn early on, that being positive gets you thrown out of the club. When family dinner is a complaint fest, you're not going to risk alienation by saying, "Wow, I had an awesome day, don't you just love life?"

Translate this into a work setting, people, often unconsciously, believe being positive keeps you out of the cool club. When negativity provides bonding, humans are reluctant to abandon the behavior that brings them comfort.

参考答案

Humans like to complain to each other, but negative bonding is common in many groups, so in some families complaining is the only way to get attention because these talks feel good as we feel understood, and being positive may exclude you, so when negativity bonds people, they resist giving up the behavior that comforts them. (74 words)

8. #23230 Summer vacation 高频 机经题 超高频

For centuries, a September-to-June school year has been the standard, which leaves a question for modern educators to resolve about how to make use of July and August.



Students have been told that the summer break is a tradition born in rural society. In rural areas, school let out so students could work in the fields--but those breaks came in the spring and fall. School was in session in winter and summer.

But summer vacation marked a conscious recognition of the value of rest, not a vestige of the farm labor cycle. Such a vacation initially took effect in cities, because the poor quality of school buildings--and the heat of summer--fueled concerns of educational scholars and parents about the physical health of students.

参考答案

For centuries, a September-to-June school year has been the standard, raising questions about how to use July and August, and people often believe summer break came from rural needs, but farm-based breaks were actually in spring and fall, so summer vacation began in cities because poor school buildings and heat raised concerns about students' physical health. (56 words)

9. #23229 Pre-service Teachers 高频 机经题 超高频

Each individual content-area course has a separate syllabus that highlights the specific technologies and pedagogy relevant to the content area. The technologies were selected after numerous meetings between methods and technology course instructors. After identifying the most appropriate technology, methods and technology course instructors co-develop their syllabi with projects spanning the two courses. Therefore, students learn about a specific technology in the technology course, and they integrate it in their practice teaching experiences within their methods course.

In a research collaboration with a methods area faculty member, the technology course instructor found that although pre-service teachers know how to operate technology, they could not integrate it effectively within daily lesson plans and they were not able to envision the type of projects their students could develop. These findings influenced the technology course instructor to develop exemplary models of technology projects and pedagogy for each technology course section (i.e. content areas).

For example, a project was modeled to illustrate how students construct understanding of clouds using concept mapping within the science cohort. This project was supplemented by the instructor modeling effective teaching practices using concept mapping in the science classroom. The goal was to move the pre-service teachers from focusing not only on the development of a final technology project in the course but encouraging them to think



about successful integration in their future classrooms. These examples were placed online so the pre-service teachers had access to them at all times in the development of their own projects for the technology course.

参考答案

Each content-area course has its own syllabus showing the technology and teaching method, so students learn the technology in the tech course and use it in their methods teaching practice, but pre-service teachers still couldn't put it into daily lesson plans or imagine student projects, so the instructor created model projects and teaching examples for each section and put them online, so pre-service teachers could see how to use the technology in the future classrooms. (75 words)

10. #22850 Bank overdraft 高频 机经题 超高频

Banks provide short-term finance to companies in the form of an overdraft on a current account. The advantage of an overdraft is its flexibility. When the cash needs of the company increase with seasonal factors, the company can continue to write cheques and watch the overdraft increase. When the goods and services are sold and cash begins to flow in, the company should be able to watch the overdraft decrease again. The most obvious example of a business which operates in this pattern is farming. The farmer uses the overdraft to finance the acquisition of seed for arable farming, or feed through the winter for stock farming and to cover the period when the crops or animals are growing and maturing. The overdraft is reduced when the crops or the animals are sold.

The main disadvantage of an overdraft is that it is repayable on demand. The farmer whose crop fails because of bad weather knows the problem of being unable to repay the overdraft. Having overdraft financing increases the worries of those who manage the company. The other disadvantage is that the interest payable on overdrafts is variable. When interest rates increase, the cost of the overdraft increases. Furthermore, for small companies there are often complaints that the rate of interest charged is high compared with that available to larger companies. The banks answer that the rates charged reflect relative risk and it is their experience that small companies are riskier.

参考答案

The advantage of an overdraft is its flexibility, and the main disadvantage is that it is repayable on demand, and the interest payable is variable.



11. #22690 Immune System 高频 机经题 超高频

The immune system is a complex network of different organs, cells, and proteins that work together. There are 2 main parts of the immune system: the innate immune system - you are born with this, and the adaptive immune system - you develop this when your body is exposed to microbes or chemicals released by microbes. These two immune systems work together.

The Innate Immune System

This is your child's rapid response system. It is the first to respond when it finds an invader. It is made up of the skin, the eye's cornea, and the mucous membrane that lines the respiratory, gastrointestinal, and genitourinary tracts. These all create physical barriers to help protect your child's body. They protect against harmful germs, parasites (such as worms), or cells (such as cancer). The innate immune system is inherited. It is active from the moment your child is born. When this system recognizes an invader, it goes into action right away. The cells of this immune system surround and cover the invader. The invader is killed inside the immune system cells (called phagocytes).

The Acquired Immune System

The acquired immune system, with help from the innate system, makes special proteins (called antibodies) to protect your body from a specific invader. These antibodies are developed by cells called B lymphocytes after the body has been exposed to the invader. The antibodies stay in your child's body. It can take several days for antibodies to form. But after the first exposure, the immune system will recognize the invader and defend against it. The acquired immune system changes during your child's life. Immunizations train your child's immune system to make antibodies to protect them from harmful diseases.

参考答案

There are 2 main parts of the immune system: the innate immune system and the adaptive immune system, and this is your child's rapid response system, and it is the first to respond when it finds an invader, and the innate immune system is inherited, and the acquired immune system makes special proteins to protect your body, and immunizations train your child's immune system.

12. #22215 Prior Knowledge 高频 机经题 超高频



What is known as prior knowledge or pre-existing knowledge is the knowledge, skill or ability that a learner brings to a new learning encounter. This includes all knowledge that is available before the learning event, and which has been gathered or developed by any means, and in any situation, including both formal and, quite often, informal learning situations. Learners need enough previous knowledge and understanding to enable them to learn new things; they also need help making links with new and previous explicit knowledge.

It is considered to be valuable to go through a process of what has been called activating prior knowledge. Teachers often go through this process at the beginning of a new topic. They also use introductory strategies at the beginning of lessons which are continuations from previous lessons. In terms of the practicalities of teaching, this is a process of making children think about the topic or remember what has been covered already. In terms of theory, it is to do with activating particular schemas.

参考答案

Prior knowledge or pre-existing knowledge is the knowledge, skill or ability that a learner brings to a new learning encounter, and Learners need enough previous knowledge and understanding to enable them to learn new things and need help making links with new and previous explicit knowledge, and it is valuable to go through a process called activating prior knowledge, and in terms of theory, it is to do with activating particular schemas. 72

13. #22214 Increasing Energy Demands 高频 机经题 超高频

What is the solution for nations with increasing energy demands, hindered by frequent power cuts and an inability to compete in the international oil market? For East Africa at least, experts think geothermal energy is the answer. More promising still, the Kenyan government and international investors seem to be listening. This is just in time according to many, as claims of an acute energy crisis are afoot due to high oil prices, population spikes and droughts.

Geothermal energy works by pumping water into bedrock, where it is heated and returns to the surface as steam which is used directly as a heat source or to drive electricity production. Source: Energy Information Administration, Geothermal Energy in the Western United States and Hawaii.



Currently over 60% of Kenya's power comes from hydroelectric sources but these are proving increasingly unreliable as the issue of seasonal variation is intensified by erratic rain patterns. Alternative energy sources are needed; and the leading energy supplier in Kenya, Kenya Electricity Generating Company (KenGen), hopes to expand its geothermal energy supply from 13% to 25 % of its total usage by 2020. The potential of geothermal energy in the region was first realised internationally by the United Nations Development Program, when geologists observed thermal anomalies below the East African Rift system. Locals have been utilising this resource for centuries; using steam vents to create the perfect humidity for greenhouses, or simply to enjoy a swim in the many natural hot lakes.

Along the 6000 km of the rift from the Red Sea to Mozambique, geochemical, geophysical and heat flow measurements were made to identify areas suitable for geothermal wells. One area lies next to the extinct Olkaria volcano, within the Hell's Gate National Park, and sits over some of the thinnest continental crust on Earth.

This is a result of the thinning of the crust by tectonic stretching, causing hotter material below the Earth's surface to rise, resulting in higher temperatures. This thin crust was ideal for the drilling of geothermal wells, reaching depths of around 3000 m, where temperatures get up to 342°C, far higher than the usual temperature of 90°C at this depth. Water in the surrounding rocks is converted to steam by the heat. The steam can be used to drive turbines and produce electricity.

参考答案

Currently over 60% of Kenya's power comes from hydroelectric sources but these are proving increasingly unreliable, and the leading energy supplier in Kenya hopes to expand its geothermal energy supply from 13% to 25% of its total usage by 2020, and this thin crust was ideal for the drilling of geothermal wells.

14. #22093 Environmental Technologies 高频 机经题 超高频

Many technologies have promised these qualities, but few have been commercially viable. What's been lacking is the performance data needed to demonstrate that these technologies are durable, genuinely environmentally beneficial, and suitable to be insured. Over the past 13 years, our Department of Architecture & Civil Engineering has led on research into straw as a low-impact building material. This work, which has included developing a unique straw bale panel as well as scientific monitoring and testing, has now culminated in crucial industry certifications. The BM TRADA's Q-Mark certification guarantees a straw building's energy



efficiency, fire safety, durability and weather-resilience and means that developers and homebuyers can now get insurance and mortgages for straw homes and buildings. The innovative straw walls in the new houses provide two times more insulation than required by current UK building regulations. Based on monitoring a residential straw-bale development in Leeds, fuel bill reductions up to 90% can be expected. The walls have been built using ModCell technology; prefabricated panels consisting of a wooden structural frame infilled with straw bales or hemp and rendered with either a breathable lime-based system or ventilated timber or brick cladding. This technology combines the lowest carbon footprint and the best operational CO₂ performance of any system of construction currently available. In fact, as an agricultural co-product, straw buildings can be carbon negative as straw absorbs CO₂ when it grows.

参考答案

Our Department of Architecture & Civil Engineering has led on research into straw as a low-impact building material, and the BM TRADA's Q-Mark certification guarantees a straw building's energy efficiency, fire safety, durability and weather-resilience, and the innovative straw walls in the new houses provide two times more insulation, and this technology combines the lowest carbon footprint and the best operational CO₂ performance.

15. #22066 Is language natural to humans? 高频 机经题 超高频

When people start thinking about language, the first question which often occurs to them is this: is language natural to humans? - in the same way that grunting is natural to pigs, and barking comes naturally to dogs. Or is it just something we happen to have learned? - in the same way that dogs may learn to beg, or elephants may learn to waltz, or humans may learn to play the guitar.

Clearly, in one sense, children 'learn' whatever language they are exposed to, be it Chinese, Nootka or English. So no one would deny that 'learning' is very important. But the crucial question is whether children are born with 'blank sheets' in their head as far as language is concerned - or whether humans are 'programmed' with an outline knowledge of the structure of languages in general.



This question of whether language is partly due to nature or wholly due to learning or nurture is often referred to as the nature-nurture controversy, and has been discussed for centuries. For example, it was the topic of one of Plato's dialogues, the Cratylus.

Controversies which have been going on for literally ages tend to behave in a characteristic fashion. They lie dormant for a while, then break out fiercely. This particular issue resurfaced in linguistics in 1959 when the linguist Noam Chomsky wrote a devastating and witty review of Verbal Behavior, a book by the Harvard psychologist B.F. Skinner (Skinner 1957; Chomsky 1959). This book claimed to 'explain' language as a set of habits gradually built up over the years. According to Skinner, no complicated innate or mental mechanisms are needed. All that is necessary is the systematic observation of the events in the external world which prompt the speaker to utter sounds.

参考答案

This question of whether language is partly due to nature or wholly due to learning or nurture is often referred to as the nature-nurture controversy, and this particular issue resurfaced in linguistics when the linguist Noam Chomsky wrote a devastating and witty review of Verbal Behavior, and this book claimed to 'explain' language as a set of habits gradually built up over the years. (64)

16. #21931 Positive Mind-set 高频 机经题 超高频

Research shows that when people work with a positive mind-set, performance on nearly every level – productivity, creativity, engagement - improves. Yet happiness is perhaps the most misunderstood driver of performance. For one, most people believe that success precedes happiness. "Once I get a promotion, I'll be happy," they think. Or, "Once I hit my sales target, I'll feel great." But because success is a moving target – as soon as you hit your target, you raise it again, the happiness that results from success is fleeting. In fact, it works the other way around: People who cultivate a positive mind-set perform better in the face of challenge. I call this the "happiness advantage" – every business outcome shows improvement when the brain is positive. I've observed this effect in my role as a researcher and lecturer in 48 countries on the connection between employee happiness and success. And I'm not alone: In a meta-analysis of 225 academic studies, researchers Sonja Lyubomirsky, Laura King, and Ed Diener found strong evidence of directional causality between life satisfaction and successful business outcomes. Another common misconception is that our genetics, our environment, or a combination of the two determines how happy



we are. To be sure, both factors have an impact. But one's general sense of well-being is surprisingly malleable. The habits you cultivate, the way you interact with coworkers, how you think about stress – all these can be managed to increase your happiness and your chances of success.

参考答案

Happiness is perhaps the most misunderstood driver of performance, and the happiness that results from success is fleeting , and people who cultivate a positive mind-set perform better in the face of challenge , and another common misconception is that our genetics, our environment, or a combination of the two determines how happy we are, and one's general sense of well-being is surprisingly malleable.

17. #21634 Reading aloud 高频 机经题 老题新考 新增高频 超高频

It might seem a little eccentric, but reviewing your work by reading it aloud can help to identify the woolliest areas. This works best if you perform your reading in a theatrical way, pausing at the commas and ends of sentences. If you run out of breath during a sentence, it is probably too long. You ought to be able to convert your writing into a speech in this way if it sounds too stilted and convoluted, perhaps you could rework these parts until they sound fluid. It is unlikely that your reader will be fooled by the idea that long words make you sound clever. Cluttering a sentence with too many complicated words can prevent its meaning from being understood at all. A short word is always preferable to a long one. Why should anyone choose the word erroneous over the word wrong in an essay? Usually, writers who employ more obscure words are trying to sound impressive but can appear pretentious. Direct words enable you to control what you are saying, and are not necessarily babyish, but the most appropriate ones for the job. When you read your writing aloud, you will notice that the key stress comes at the end of your sentence. It is, therefore, most effective to end with a short and emphatic word to secure your point. Try to resist the impulse to waffle at the end of your sentence by trailing off into qualifying clauses. It might be worth relocating the clause to the beginning of the sentence or losing it altogether if you feel that it adds little to its meaning.

Your sentences might be the most grammatically perfect in the world, but still, cause your writing to sound wrong if you have misjudged its tone. A colloquial style, which uses slang and exclamations, is an inappropriately chatty tone for an essay. However, style can be



equally jarring if your vocabulary is too formal or ambitious for its context. It is much more impressive to make complicated points using simple language and grammar.

参考答案

Reviewing your work by reading it aloud can help to identify the woolliest areas, and you ought to be able to convert your writing into a speech in this way if it sounds too stilted and convoluted, and most effective to end with a short and emphatic word to secure your point, and it is much more impressive to make complicated points using simple language and grammar.

18. #21530 Legume 机经题 高频 超高频

Gardeners can feed their families and enrich the soil by growing legumes, such as green beans, soybeans, lentils and peas. Legume roots produce their own nitrogen, which is a major fertilizer nutrient needed by all plants for growth. Nitrogen is produced in nodules that form on the roots of legumes, which contain Rhizobium bacteria. The bacteria take nitrogen from the air and convert it into a form the plants can use. When legumes are pulled up in the fall, excess nitrogen from the nodules is left in the soil. The excess organic nitrogen can be used by other plants the following growing season. It's considered organic nitrogen because it was produced naturally, making green beans or peas great rotational crops in an organic crop production system. Organic growers prefer organic nitrogen because of its natural origins and because it breaks down slowly in the soil, thus slowly feeding plants throughout the growing season. Synthetic nitrogen fertilizers tend to release nitrogen quickly and are harsher on the environment. Synthetic nitrogen fertilizers are generally applied in split applications during the season to mimic the slow release of organic nitrogen sources. Each specific legume generally requires a specific type of Rhizobium bacteria to produce nodules on their roots. Gardeners who have never grown green beans before can purchase small bags of inoculum or bacteria from most popular vegetable seed catalogs. Before planting beans, open the package and pour in the dust-like bacteria among the seed. Shake the package and then plant. Nodules will form on the roots as they develop. The bacteria will remain in the soil, making it unnecessary to inoculate the seed next year. Do not apply extra nitrogen fertilizer to bean crops. Doing so makes bacteria in the nodules lazy, encouraging them to stop producing their own nitrogen. Legumes that are particularly popular in the home vegetable garden include lima beans, peas, edible soybeans, lentils and fava beans. In a recent survey, 44 percent of gardeners trained through New Mexico State



University's Master Gardener Program said they grew green beans and other legumes in their home gardens. When planting, be sure to purchase appropriate strains of Rhizobium bacteria for each type of legume.

参考答案

Gardeners can feed their families and enrich the soil by growing legumes, and legume roots produce their own nitrogen, and it's considered organic nitrogen, and organic growers prefer organic nitrogen, and synthetic nitrogen fertilizers tend to release nitrogen quickly and are harsher on the environment, and do not apply extra nitrogen fertilizer to bean crops, and they grew green beans and other legumes in their home gardens.

19. #10524 The Importance of Soil 机经题 高频 超高频

It's very easy to forget about what's in the ground beneath our feet and why it's so important to protect it. One tablespoon of soil contains more organisms than there are people on Earth; billions of bacteria, fungi and other microorganisms combine with minerals, water, air and organic matter to create a living system that supports plants and, in turn, all life.

Healthy soil can store as much as 3,750 tons of water per hectare, reducing the risk of flooding, and the International Panel on Climate Change (IPCC) has said that 89% of all agricultural emissions could be mitigated if we improved the health of our soil.

Good soil management also increases disease resistance in livestock and ultimately drives profits for farmers – yet soil and its impact on the health of our animals has, over recent decades, been one of the most neglected links in UK agriculture.

Over the last 50 years' agriculture has become increasingly dependent on chemical fertilizers, with applications today around 10 times higher than in the 1950s. Farmers often think the chemical fertilizer NPK (nitrogen, phosphorous and potassium) provides all the nutrition a plant requires, but it also has a detrimental effect on the long-term health of the land: research suggests there are fewer than 100 harvests left in many of the world's soils.

参考答案



It is so important to protect soil, and healthy soil can store lots of water and help to mitigate agricultural emissions, and good soil management also increases disease resistance in livestock and ultimately drives profits for farmers, and over the last 50 years' agriculture has become increasingly dependent on chemical fertilizers, but it has a detrimental effect on the long-term health of the land. (64 words)

20. #10507 Movies 机经题 高频 超高频

The 1920's movie goers experience was largely dominated by silent movies but saw the introduction of synchronized sound.

In the 1920's movie stars were really stars - with huge salaries, the fashions and activities of the Hollywood greats echoed around the world and 100,000 people would gather in cities all over the world, including such diverse cities as London and Moscow, to greet Mary Pickford and Douglas Fairbanks when they toured of Europe.

Early silent movies were often accompanied by live piano or organ music and provided enormous entertainment value to audiences captivated by the experience of watching moving pictures on the silver screen. Although the had been previous attempts to introduce sound, it wasn't until 1923 that a synchronized sound track was photographically recorded and printed on to the side of the strip of motion picture film and made it on to a commercially distributed movie. It would still be seven long years before talking pictures gained total supremacy and finally replaced the silent film era.

The first movie theatres were called Nickelodeons, and were very basic compared the luxurious picture palaces that followed but what an aura of excitement, of laughter, fun and tears surrounded them! Before the introduction of movie soundtracks, movies were often accompanied by scripted music from a piano.

参考答案

The 1920's movie goers experience was largely dominated by silent movies but saw the introduction of synchronized sound, and the movie stars were really stars, and early silent movies were often accompanied by live piano or organ music and provided enormous entertainment value to audiences, and the first movie theatres were called Nickelodeons, and were very basic. (57 words)



21. #10495 Solar energy 机经题 高频 超高频

The advantages and disadvantages of solar power compared to other forms of renewable energy have been greatly debated. While obviously superior to some forms of energy, solar power's high cost and efficiency dependent on geography have limited its appeal. However, a large number of advantages also merit further development and even possible adaptation for residences.

Advantages of Solar Power

Solar energy remains popular because it is both a renewable and clean source of energy. These advantages along with the hope that eventually nations can use solar power to decrease global warming ensure its popularity.

Renewable

Solar energy is a true renewable resource. All areas of the world have the ability to collect some amount of solar power and solar power is available for collection each day.

Clean

Solar energy is non-polluting. It does not create greenhouse gases, such as oil-based energy does, nor does it create waste that must be stored, such as nuclear energy. It is also far more quiet to create and harness, drastically reducing the noise pollution required to convert energy to a useful form. Residential size solar energy systems also have very little impact on the surrounding environment, in contrast with other renewable energy sources such as wind and hydroelectric power.

Low Maintenance

Solar panels have no moving parts and require very little maintenance beyond regular cleaning. Without moving parts to break and replace, after the initial costs of installing the panels, maintenance and repair costs are very reasonable.

参考答案

The advantages and disadvantages of solar power compared to other forms of renewable energy have been greatly debated, and a large number of advantages also merit further development, and renewable Solar energy is a true renewable resource, and clean Solar energy is non-polluting, and it is also far more quiet to create and harness, drastically reducing the noise pollution required to convert energy to a useful form, and maintenance and repair costs are very reasonable. (75 words)

22. #10494 Education technology 机经题 高频 超高频



In 1953 B.F. Skinner visited his daughter's maths class. The Harvard psychologist found every pupil learning the same topic in the same way at the same speed. A few days later he built his first "teaching machine", which let children tackle questions at their own pace. By the mid-1960s similar gizmos were being flogged by door-to door salesmen. Within a few years, though, enthusiasm for them had fizzled out.

Since then education technology (edtech) has repeated the cycle of hype and flop, even as computers have reshaped almost every other part of life. One reason is the conservatism of teachers and their unions. But another is that the brain-stretching potential of edtech has remained unproven.

Today, however, Skinner's heirs are forcing the sceptics to think again (see article). Backed by billionaire techies such as Mark Zuckerberg and Bill Gates, schools around the world are using new software to "personalize" learning. This could help hundreds of millions of children stuck in dismal classes—but only if edtech boosters can resist the temptation to revive harmful ideas about how children learn. To succeed, edtech must be at the service of teaching, not the other way around.

The conventional model of schooling emerged in Prussia in the 18th century. Alternatives have so far failed to teach as many children as efficiently. Classrooms, hierarchical year-groups, standardized curriculums and fixed timetables are still the norm for most of the world's nearly 1.5bn schoolchildren.

参考答案

Education technology has repeated the cycle of hype and flop, and one reason is the conservatism of teachers and their unions, and another is that the brain-stretching potential of edtech has remained unproven, and Skinner's heirs are forcing the sceptics to think again, and to succeed, edtech must be at the service of teaching, and classrooms, hierarchical year-groups, standardized curriculums and fixed timetables are still the norm for most of the world's nearly 1.5bn schoolchildren.(75 words)

23. #10493 Two ways of learning language 机经题 高频 超高频

"Over the years, language teachers have alternated between favoring teaching approaches that focus primarily on language use and those that focus on language forms or analysis.



The alternation has been due to a fundamental disagreement concerning whether one learns to communicate in a second language by communicating in that language (such as in an immersion experience) or whether one learns to communicate in a second language by learning the lexicogrammar - the words and grammatical structures - of the target language. In other words, the argument has been about two different means of achieving the same end."

As with any enduring controversy, the matter is not easily resolved. For one thing, there is evidence to support both points of view. It is not uncommon to find learners who, for whatever reason, find themselves in a new country or a new region of their own country, who need to learn a new language, and who do so without the benefit of formal instruction. If they are postpubescent, they may well retain an accent of some kind, but they can pick up enough language to satisfy their communicative needs. In fact, some are natural acquirers who become highly proficient in this manner. In contrast, there are learners whose entire exposure to the new language comes in the form of classroom instruction in lexicogrammar. Yet they too achieve a measure of communicative proficiency, and certain of these learners become highly proficient as well. What we can infer from this is that humans are amazingly versatile learners and that some people have a natural aptitude for acquiring languages and will succeed no matter what the circumstances.

参考答案

Language teachers have alternated between favoring teaching approaches that focus primarily on language use and those that focus on language forms or analysis, and the matter is not easily resolved, and there is evidence to support both points of view, and humans are amazingly versatile learners and that some people have a natural aptitude for acquiring languages and will succeed no matter what the circumstances.(65 words)

24. #10491 Humans love to complain 机经题 高频 超高频

Humans love to complain to each other. It helps us feel less alone. Think about what happens when a family member or friend is going through a tough time; they call up someone who will listen to their tale of woe. Unfortunately, negative bonding is the default for many groups.



In some families complaining is the only way to get attention. When one person says, I had a bad day; the other person has to top it. "You think you had a tough day, I had to do three TPS reports!" The same thing happens at work and social settings. "Your child didn't sleep through the night until 6 months? Mine was a full year old before she went over six hours." It's a race to the bottom, the worst situation wins.

In Bitching is Bonding, A Guide To Mutual Complaint, Irene S. Levine, Ph.D., a professor of psychiatry at the NYU Langone School of Medicine says, "the reason these conversations feel good is because we feel understood."

People raised in negative environments learn early on, being positive gets you thrown out of the club. When family dinner is a complaint fest, you're not going to risk alienation saying, "Wow, I had an awesome day, don't you just love life?"

Translate this into a work setting, people, often unconsciously, believe being positive keeps you out of the cool club. When negativity provides bonding, humans are reluctant to abandon the behavior that brings them comfort.

参考答案

Humans love to complain to each other because it helps us feel less alone, and the negative bonding is the default for many groups, and the reason these conversations feel good is because we feel understood, and in a work setting, people believe being positive keeps you out of the cool club, and when negativity provides bonding, humans are reluctant to abandon the behaviour that brings them comfort.

25. #10489 Independent work 机经题 高频 超高频

Working nine to five for a single employer bears little resemblance to the way a substantial share of the workforce makes a living today. Millions of people assemble various income streams and work independently, rather than in structured payroll jobs. This is hardly a new phenomenon, yet it has never been well measured in official statistics—and the resulting data gaps prevent a clear view of a large share of labor-market activity.

To better understand the independent workforce and what motivates the people who participate in it, the McKinsey Global Institute surveyed some 8,000 respondents across



Europe and the United States. We asked about their income in the past 12 months—encompassing primary work, as well as any other income-generating activities—and about their professional satisfaction and aspirations for work in the future.

The resulting report, Independent work: Choice, necessity, and the gig economy, finds that up to 162 million people in Europe and the United States—or 20 to 30 percent of the working-age population—engage in some form of independent work. While demographically diverse, independent workers largely fit into four segments (exhibit): free agents, who actively choose independent work and derive their primary income from it; casual earners, who use independent work for supplemental income and do so by choice; reluctant, who make their primary living from independent work but would prefer traditional jobs; and the financially strapped, who do supplemental independent work out of necessity.

参考答案

Millions of people assemble various income streams and work independently, and it has never been well measured in official statistics, and the resulting report finds that up to 162 million people in Europe and the United States engage in some form of independent work, and independent workers largely fit into four segments: free agents, casual earners, reluctant, and the financially strapped.

26. #10486 The National Oceanography Center 机经题 高频 超高频

The National Oceanography Center (NOC) is engaged in research into the potential risks and benefits of exploiting deep-sea mineral resources, some of which are essential for low-carbon technology, as well as using ocean robots to estimate the environmental impact of these potential deep-sea mining activities.

Late last year the NOC led an expedition on the RRS James Cook that found enough of the scarce element Tellurium present in the crust of a submerged volcano that, if it were all to be used in the production of solar PV panels, could provide two-thirds of the UK's annual electricity supply. Recently, the NOC also led an international study demonstrating deep-sea nodule mining will cause long-lasting damage to deep-sea life, lasting at least for decades.



These nodules are potato-sized rocks containing high levels of metals, including copper, manganese and nickel. They grow very slowly on the sea-bed, over millions of years. Although no commercial operations exist to extract these resources, many are planned.

Professor Edward Hill, Executive Director at the NOC commented, "By 2050 there will be nine billion people on earth and attention is increasingly turning to the ocean, particularly the deep ocean, for food, clean supplies of energy and strategic minerals. The NOC is undertaking research related to many aspects and perspectives involved in exploiting ocean resources. This research is aimed at informing with sound scientific evidence the decisions that will need to be taken in the future, as people increasingly turn to the oceans to address some of society's greatest challenges."

参考答案

The National Oceanography Center (NOC) is engaged in research into the potential risks and benefits of exploiting deep-sea mineral resources, and late last year the NOC led an expedition and found enough of the scarce element Tellurium, which could provide two-thirds of the UK's annual electricity supply, and the NOC also led an international study demonstrating deep-sea nodule mining will cause long-lasting damage to deep-sea life.

27. #10483 Ethics 机经题 高频 超高频

Ethics is a set of moral obligations that define right and wrong in our practices and decisions. Many professions have a formalized system of ethical practices that help guide professionals in the field. For example, doctors commonly take the Hippocratic Oath, which, among other things, states that doctors "do no harm" to their patients. Engineers follow an ethical guide that states that they "hold paramount the safety, health, and welfare of the public." Within these professions, as well as within science, the principles become so ingrained that practitioners rarely have to think about adhering to the ethic – it's part of the way they practice. And a breach of ethics is considered very serious, punishable at least within the profession (by revocation of a license, for example) and sometimes by the law as well. Scientific ethics calls for honesty and integrity in all stages of scientific practice, from reporting results regardless to properly attributing collaborators. This system of ethics guides the practice of science, from data collection to publication and beyond. As in other professions, the scientific ethic is deeply integrated into the way scientists work, and they are



aware that the reliability of their work and scientific knowledge in general depends upon adhering to that ethic. Many of the ethical principles in science relate to the production of unbiased scientific knowledge, which is critical when others try to build upon or extend research findings. The open publication of data, peer review, replication, and collaboration required by the scientific ethic all help to keep science moving forward by validating research findings and confirming or raising questions about results.

参考答案

Ethics is a set of moral obligations that define right and wrong in our practices and decisions, and many professions have a formalized system of ethical practices and the principles become ingrained, and a breach of ethics is considered very serious, and scientific ethics calls for honesty and integrity in all stages of scientific practice, and this system of ethics guides the practice of science, from data collection to publication and beyond.

28. #10482 Biology and climatology 机经题 高频 超高频

Ecology is the study of interactions of organisms among themselves and with their environment. It seeks to understand patterns in nature (e.g., the spatial and temporal distribution of organisms) and the processes governing those patterns. Climatology is the study of the physical state of the atmosphere – its instantaneous state or weather, its seasonal-to-interannual variability, its long-term average condition or climate, and how climate changes over time. These two fields of scientific study are distinctly different. Ecology is a discipline within the biological sciences and has as its core the principle of natural selection. Climatology is a discipline within the geophysical sciences based on applied physics and fluid dynamics. Both, however, share a common history.

The origin of these sciences is attributed to Aristotle and Theophrastus and their books Meteorological and Enquiry into Plants, respectively, but their modern beginnings trace back to natural history and plant geography. Seventeenth, eighteenth, and nineteenth century naturalists and geographers saw changes in vegetation as they explored new regions and laid the foundation for the development of ecology and climatology as they sought explanations for these geographic patterns. Alexander von Humboldt, in the early 1800s, observed that widely separated regions have structurally and functionally similar vegetation if their climates are similar. Alphonse de Candolle hypothesized that latitudinal zones of



tropical, temperate, and arctic vegetation are caused by temperature and in 1874 proposed formal vegetation zones with associated temperature limits.

参考答案

Ecology is the study of interactions of organisms among themselves and with their environment, and climatology is the study of the physical state of the atmosphere, and these two fields of scientific study are distinctly different, and both share a common history, and naturalists and geographers saw changes in vegetation and laid the foundation for the development of ecology and climatology as they sought explanations for these geographic patterns. (69 words)

29. #10479 Hookham 机经题 高频 超高频

The booksellers of Hookham and carpenter (hereafter referred to only as Hookham) were located on New Bond Street in London, and their records span the most politically turbulent decade of the eighteenth-century the 1790's. Clients who frequented Hookham were primarily from the aristocratic or gentry classes. In fact, of Hookhams total buyers, 22% were aristocracy, and 35% of the aristocracy purchased novels. We can also confidently assume that untitled female customers were of gentry income because their addresses were primarily in London's fashionable West End.

Hookhams ledgers not only reveal a dramatic increase in the proportion of female purchasers of novels by comparison to earlier studies of provincial women, but they also reveal a remarkable increase in the proportion of female purchases of novels authored by females. Such a marked increase illustrates that Hookhams leisured female customers were able to buy more novels.

Furthermore, the fact that these female aristocrats and gentry have accounts under their own name, not their husbands, demonstrates the greater degree of agency and independence that these urban, moneyed women had relative to provincial women. However, because our study does not include an examination of male customers, we are very limited in what claims we can make about whether or not these women behaved according to the cliche that women were the predominant consumers of novels in the eighteenth century.



Moreover, while more disposable income and leisure time certainly accounts for the significant increase in female purchases of novels authored by women in the 1790s, this increase also strongly suggests a desire on the part of women readers to engage in this politically charged decade. Thus, novel-reading provided women readers with the means through which they were able to participate in the male-dominated world of politics. The latter part of our paper will more fully explore this hypothesis in the context of certain recent literary scholars claims that both Gothic and sentimental novels are actively engaged in political debate and discussion.

参考答案

Untitled female customers were of gentry income, and they reveal a remarkable increase in the proportion of female purchases of novels authored by females, and the greater degree of agency and independence that these urban, moneyed women had relative to provincial women, and novel-reading provided women readers with the means through which they were able to participate in the male-dominated world of politics (63 words)

30. #10472 Malaysia 高频 机经题 超高频

Malaysia is one of the most pleasant, hassle-free countries to visit in Southeast Asia.

Aside from its gleaming 21st century glass towers, it boasts some of the most superb beaches, mountains and national parks in the region. Malaysia is also launching its biggest-ever tourism campaign in effort to lure 20 million visitors here this year.

Any tourist itinerary would have to begin in the capital, Kuala Lumpur, where you will find the Petronas Twin Towers, which once comprised the worlds tallest buildings and now hold the title of second-tallest. Both the 88-story towers soar 1,480 feet high and are connected by a sky-bridge on the 41st floor. The limestone temple Batu Caves, located 9 miles north of the city, have a 328-foot-high ceiling and feature ornate Hindu shrines, including a 141-foot-tall gold-painted statue of a Hindu deity. To reach the caves, visitors have to climb a steep flight of 272 steps. In Sabah state on Borneo island not to be confused with Indonesias Borneo you'll find the small mushroom-shaped Sipadan island, off the coast of Sabah, rated as one of the top five diving sites in the world. **Sipadan is the only oceanic island in Malaysia,** rising from a 2,300-foot abyss in the Celebes Sea. You can also climb Mount Kinabalu, the tallest peak in Southeast Asia, visit the Sepilok Orang Utan Sanctuary,

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go white-water rafting and catch a glimpse of the bizarre Proboscis monkey, a primate found only in Borneo with a huge pendulous nose, a characteristic pot belly and strange honking sounds.

While you're in Malaysia, consider a trip to **Malacca**. In its heyday, this southern state **was a powerful Malay sultanate and a booming trading port in the region**. Facing the Straits of Malacca, this historical state is now a place of intriguing Chinese streets, antique shops, old temples and reminders of European colonial powers. Another interesting destination is **Penang**, known as the Pearl of the Orient. This island off the northwest coast of Malaysia **boasts of a rich Chinese cultural heritage, good food and beautiful beaches**.

参考答案

Malaysia is one of the most pleasant, hassle-free countries to visit in Southeast Asia, and any tourist itinerary would have to begin in the capital, Kuala Lumpur, and Sipadan is the only oceanic island in Malaysia, and you can also climb Mount Kinabalu, and Malacca was a powerful Malay sultanate and a booming trading port in the region, and Penang boasts of a rich Chinese cultural heritage, good food and beautiful beaches.

31. #10469 Teaching online 机经题 高频 超高频

What makes **teaching online unique** is that when you teach online, you **don't have to be someplace to teach**. You don't have to lug your briefcase full of papers or your laptop to a classroom, stand at a lectern, scribble on a chalkboard (or even use your high-tech, interactive classroom smart whiteboard), or grade papers in a stuffy room while your students take a test. You don't even have to sit in your office waiting for students to show up for conferences. **You can hold office hours** on weekends or at night after dinner. You can do all this while living in a small town in Wyoming or a big city like Bangkok, even if you're working for a college whose administrative offices are located in Florida or Dubai. You can attend an important conference in Hawaii on the same day that you teach your class in New Jersey, logging on from your laptop via the local cafes wireless hot spot or your hotel rooms high-speed network. Or you may simply pull out your smartphone to quickly check on the latest postings, email, or text messages from students, using **a mobile app** for your course site or to access other resources.



Online learning offers more freedom for students as well. They can search online for courses using the internet, scouring their institutions or even the world for programs, classes, and instructors that fit their needs. Having found an appropriate course, they can enroll and register, shop for their books (whether hard copy or e-books), read articles, listen to lectures, submit their homework assignments, confer with their instructors, and access their final grades all online. They can assemble in virtual classrooms, joining other students from diverse geographical locales, forging bonds and friendships not possible in conventional classrooms, which are usually limited to students from a specific geographical area.

参考答案

Online teaching is unique because teachers don't have to be someplace to teach and they can hold office hours on anytime they want through their laptops and mobile apps by using the internet, and online learning also offers more freedom for students, since they can search for online courses, classes, and instructors that fit their needs, ship for books, submit homework, and even assemble in virtual classrooms to join other students.

32. #10467 Electric car 高频 机经题 超高频

Here's a term you're going to hear much more often: plug-in vehicle, and the acronym PEV. It's what you and many other people will drive to work in, ten years and more from now. At that time, before you drive off in the morning you will first unplug your car - your plugin vehicle. Its big on board batteries will have been fully charged overnight, with enough power for you to drive 50-100 kilometers through city traffic.

When you arrive at work you'll plug in your car once again, this time into a socket that allows power to flow form your car's batteries to the electricity grid. One of the things you did when you bought your car was to sign a contract with your favorite electricity supplier, allowing them to draw a limited amount of power from your car's batteries should they need to, perhaps because of a blackout, or very high wholesale spot power prices. The price you get for the power the distributor buys from your car would not only be most attractive to you, it would be a good deal for them too, their alternative being very expensive power form peaking stations. If, driving home or for some other reason your batteries looked like running flat, a relatively small, but quiet and efficient engine running on petrol, diesel or



compressed natural gas, even bio-fuel, would automatically cut in, driving a generator that supplied the batteries so you could complete your journey.

Concerns over 'peak oil', increasing greenhouse gas emissions, and the likelihood that by the middle of this century there could be five times as many motor vehicles registered worldwide as there are now, mean that the world's almost total dependence on **petroleum-based fuels for transport is**, in every sense of the word, **unsustainable**.

参考答案

Plug-in vehicle, known as the acronym PEV, is what you and many other people will drive to work in ten years and more from now, it will be unplugged before driving off, and its big onboard batteries will have been fully charged overnight, and you will plug in your car into a socket, and there will be an engine running if batteries was running flat, and petroleum-based fuels for transport is unsustainable.(72 words)

33. #10466 The influence of American English 机经题 高频 超高频

American English is, without doubt, the most influential and powerful variety of English in the world today. There are many reasons for this. First, the United States is, at present, the most powerful nation on earth and such power always brings with it influence. Indeed, the distinction between a dialect and a language has frequently been made by reference to power. As has been said, A language is a dialect with an army. Second, America's political influence is extended through American popular culture, in particular through the international reach of American films (movies, of course) and music. As Kahane has pointed out, The internationally dominant position of a culture results in a forceful expansion of its language.... the expansion of language contributes... to the prestige of the culture behind it. Third, the international prominence of American English is closely associated with the extraordinarily quick development of communications technology. Microsoft is owned by an American, Bill Gates. This means a computer's default setting for language is American English, although of course this can be changed to suit one's own circumstances. **In short, the increased influence of American English is caused by political power and the resultant diffusion of American culture and media, technological advance and the rapid development of communications technology.**

参考答案



In short, the increased influence of American English is caused by political power and the resultant diffusion of American culture and media, technological advance and the rapid development of communications technology.

34. #10457 Paying for child 机经题 高频 超高频

Many people who have written on the subject of allowances say it is not a good idea to pay your child for work around the home. These jobs are a normal part of family life.

Paying children to do extra work around the house, however, can be useful. It can even provide an understanding of how a business works.

Allowances give children a chance to experience the things they can do with money.

They can share it in the form of gifts or giving to a good cause. They can spend it by buying things they want. Or they can save and maybe even invest it.

Saving helps children understand that costly goals require sacrifice: you have to cut costs and plan for the future. Requiring children to save part of their allowance can also open the door to future saving and investing. Many banks offer services to help children and teenagers learn about personal finance.

A savings account is an excellent way to learn about the power of compound interest.

Interest rates on savings can be very low these days. But compounding works by paying interest on interest. So, for example, one dollar invested at two percent interest will earn two cents in the first year. The second year, the money will earn two percent of one dollar and two cents, and so on. That may not seem like a lot. But over time it adds up.

参考答案

Paying children to do extra work around the house can be useful, and it can even provide an understanding of how a business works, and allowances give children a chance to experience the things they can do with money, and saving helps children understand that costly goals require sacrifice, and a savings account is an excellent way to learn about the power of compound interest.

35. #10439 Office Space 机经题 高频 超高频



The notion that office space has a role in promoting or inhibiting performance is backed up by solid research. A recent study conducted by Harvard University and Massachusetts General Hospital showed that improvements to the physical surroundings of workers impacted on productivity – not just because the working environment was more attractive, but because the changes made employees feel cared for. A Swedish research paper revealed a strong link between the type of office an employee worked in and their overall job satisfaction and health.

Various findings have emerged as a result of studies such as this. Pot plants and greenery can apparently have a real impact on psychological well-being. Those who work in a private room tend to be in better health than workers based in open-plan offices. Sufficient light can reduce sickness among workers and increase productivity; and an attractive office can make workers feel more cared for and therefore more loyal to their company.

Most of these points make good rational sense. But some companies aren't content simply to increase the health, productivity and contentment of their employees. Pioneers such as Google, Walt Disney and Dyson have tried to create offices that will do everything from promoting collaboration between workers to stimulating their creative juices. "Environment, both physical and cultural, can make or break creativity," says Kursty Groves, author of *I Wish I Worked There! A Look Inside the Most Creative Spaces in Business*. "Stimulating spaces expose the mind to a variety of stimuli – planned or random – in order to encourage people to think differently. Reflective spaces promote the filtering of information into the brain, slowing it to make connections. An environment which encourages a team to build trust and to play freely is an essential ingredient for innovation."

参考答案

Office space has a role in promoting or inhibiting performance is backed up by solid research, and there is a strong link between the type of office an employee worked in and their overall job satisfaction and health, and sufficient light can reduce sickness among workers and increase productivity, and an environment which encourages a team to build trust and to play freely is an essential ingredient for innovation.

(69words)

36. #10438 Non-human animals and human 机经题 高频 超高频



All non-human animals are constrained by the tools that nature has bequeathed them through natural selection. They are not capable of striving towards truth; they simply absorb information, and behave in ways useful for their survival. The kinds of knowledge they require of the world have been largely pre-selected by evolution. No animal is capable of asking questions or generating problems that are irrelevant to its immediate circumstances or its evolutionarily-designed needs. When a beaver builds a dam, it doesn't ask itself why it does so, or whether there is a better way of doing it. When a swallow flies south, it doesn't wonder why it is hotter in Africa or what would happen if it flew still further south.

Humans do ask themselves these and many other kinds of questions, questions that have no relevance, indeed make little sense, in the context of evolved needs and goals. What marks out humans is our capacity to go beyond our naturally-defined goals such as the need to find food, shelter or a mate and to establish human-created goals.

Some contemporary thinkers believe that there are indeed certain questions that humans are incapable of answering because of our evolved nature. Steven Pinker, for instance, argues that "Our minds evolved by natural selection to solve problems that were life-and-death matters to our ancestors, not to commune with correctness or to answer any question we are capable of asking. We cannot hold ten thousand words in our short-term memory. We cannot see ultra-violet light. We cannot mentally rotate an object in the fourth dimension. And perhaps we cannot solve conundrums like free will and sentience."

参考答案

All non-human animals are constrained by the tools, and no animal is capable of asking questions or generating problems that are irrelevant to its immediate circumstances or its evolutionarily-designed needs, and humans do ask themselves these and many other kinds of questions, and there are indeed certain questions that humans are incapable of answering because of our evolved nature.

37. #10437 2014 Sochi Olympics 机经题 高频 超高频

11 February 2009 – Major athletic events around the globe – from the 2014 Sochi Olympics to an annual powerboat race in Norwegian fjords – are striving to neutralise their carbon footprint as part of a world-wide climate network, the United Nations Environment Programme (UNEP) said today.



The sporting events are the latest participants to join the network, and are particularly important for inspiring further global action on the environment, said Achim Steiner, UNEP Executive Director. Organisers of the 2014 Sochi Olympic and Paralympic Winter Games – to be held in a unique natural setting between the shores of the Black Sea and the soaring snow-capped Caucasus Mountains – say they will put an estimated \$1.75 billion into energy conservation and renewable energy.

That investment will be dedicated to improving transport infrastructure, offsetting greenhouse gas emissions from the use of electricity, air travel and ground transportation, the reforestation of Sochi National Park and the development of green belts in the city.

参考答案

Major athletic events around the globe are striving to neutralise their carbon footprint as part of a world-wide climate network, and investment will be dedicated to improving transport infrastructure, offsetting greenhouse gas emissions.

38. #10436 Plant research 机经题 高频 超高频

Plants serve as the conduit of energy into the biosphere, provide food and materials used by humans, and they shape our environment. According to Ehrhardt and Frommer, the three major challenges facing humanity in our time are food, energy, and environmental degradation. All three are plant related.

All of our food is produced by plants, either directly or indirectly via animals that eat them. Plants are a source of energy production. And they are intimately involved in climate change and a major factor in a variety of environmental concerns, including agricultural expansion and its impact on habitat destruction and waterway pollution.

What's more, none of these issues are independent of each other. Climate change places additional stresses on the food supply and on various habitats. So plant research is instrumental in addressing all of these problems and moving into the future.

For plant research to move significantly forward, Ehrhardt and Frommer say technological development is critical, both to test existing hypotheses and to gain new information and



generate fresh hypotheses. If we are to make headway in understanding how these essential organisms function and build the foundation for a sustainable future, then we need to apply the most advanced technologies available to the study of plant life, they say.

参考答案

Three major challenges facing humanity in our time are food, energy, and environmental degradation, and all three are plant related, and plant research is instrumental in addressing all of these problems and moving into the future, and we need to apply the most advanced technologies available to the study of plant life.

39. #10435 Museology 机经题 高频 超高频

What is **museology**? A simple definition might be that it **is the study of museums**, their history and underlying philosophy, the various ways in which they have, in the course of time, been established and developed, their avowed or unspoken aims and policies, their educative or political or social role. More broadly conceived, **such a study might also embrace the bewildering variety of audiences-visitors**, scholars, art lovers, children-at whom the efforts of museum staff are supposed directed, as well as related topics such as the legal duties and responsibilities placed upon (or incurred by) museums, perhaps even some thought as to their future. Seen in this light, museology might appear at first sight a subject so specialised as to concern only museum professionals, who by virtue of their occupation are more or less obliged to take an interest in it. In reality, since museums are almost, if not quite as old as civilisation itself, and since the plethora of present-day **museums embraces virtually every field of human endeavour**-not just art, or craft, or science, but entertainment, agriculture, rural life, childhood, fisheries, antiquities, automobiles: the list is endless- it is a field of enquiry so broad as to be a matter of concern to almost everybody.

参考答案

Museology is the study of museums, their history and underlying philosophy, and such a study might also embrace the bewildering variety of audiences , and museums embraces virtually every field of human endeavour.

40. #10434 The Wright Brothers 高频 机经题 超高频

Version1:



Orville and Wilbur Wright were brothers living in Dayton, Ohio. The two had started making bicycles during the 1890s and had a successful small business selling their Wright Specials for \$18 each (\$475 in today's green). This experience with building light, strong machines would prove valuable in the coming years after the brothers' interest turned to flight.

Others in the United States were also developing aircraft at the time the Wright brothers started turning their curiosity skyward. Samuel Langley had flown an unmanned steam-powered aircraft in 1896. Octave Chanute and others were flying gliders near Chicago late in the decade as well. But it wasn't until the Wright brothers started working on the matter that the "flying problem" would finally be solved.

Beginning in 1899, the brothers designed and built a series of gliders to test their various ideas on a flying machine. They constructed a wind tunnel that allowed them to test designs without having to build a full-size model. They even built their own gasoline-powered motor for their aircraft.

Version2:

(故事大纲相同，供参考)

After the 1905 flying season, the Wrights contacted the United States War Department, as well as governments and individuals in England, France, Germany, and Russia, offering to sell a flying machine. They were turned down time and time again -- government bureaucrats thought they were crackpots; others thought that if two bicycle mechanics could build a successful airplane, they could do it themselves. But the Wright persisted, and in late 1907, the U.S. Army Signal Corps asked for an aircraft. Just a few months later, in early 1908, a French syndicate of businessmen agreed to purchase another.

Both the U.S. Army and the French asked for an airplane capable of carrying a passenger. The Wright brothers hastily adapted their 1905 Flyer with two seats and a more powerful engine. They tested these modifications in secret, back at Kitty Hawk, North Carolina for the first time in several years. Then the brothers parted temporarily -- Wilbur to France and Orville to Virginia.



In 1908 and 1909, Wilbur demonstrated Wright aircraft in Europe, and Orville flew in Fort Meyer, Virginia. The flights went well until Orville lost a propeller and crashed, breaking his leg and killing his passenger Lt. Thomas Selfridge. While Orville recuperated, Wilbur kept flying in France, breaking record after record. Orville and his sister Kate eventually joined Wilbur in France, and the three returned home to Dayton to a elaborate homecoming celebration. Together, Orville and Wilbur returned to Fort Meyer with a new Military Flyer and completed the U.S. Army trials. A few months later, Wilbur flew before over a million spectators in New York Harbor -- his first public flight in his native land. All of these flights stunned and captivated the world. **The Wright Brothers became the first great celebrities of the twentieth century.**

参考答案

Orville and Wilbur Wright were brothers, and they had a successful small business, and brothers' interest turned to flight, and the brothers designed and built a series of gliders to test their various ideas on a flying machine.

41. #10429 Written Language 机经题 高频 超高频

The world engages in improving literacy of reading and writing, but it is not that important now. What is text/written language anyway? It is an accident IT for storing and retrieving information. We store information by writing it, and we retrieve it by reading it. 6000 to 10,000 years ago, many of our ancestor's hunter-gatherer societies settled on the land and began what's known as the agricultural revolution. That new land settlement led to private property and increased production and trade of goods, generating a huge new influx of information. Unable to keep all this in their memories, our ancestors created systems of written records that evolved over millennia into today's written language.

But this ancient IT is already becoming obsolete. Text has run its historic course and is now rapidly getting replaced in every area of our lives by the ever-increasing of emerging IT driven by voice, video, and body movement rather than the written word. In my view, this is a positive step forward in the evolution of human technology, and it carries great potential for a total positive redesign of education. Written language is an ancient IT for storing and retrieving information, however, written word is becoming obsolete and is now rapidly getting replaced by voice, video and body movement, which is believed a positive step forward in the evolution of human technology and redesign of education.



参考答案

Written language is an ancient IT for storing and retrieving information, and written word is becoming obsolete and is now rapidly getting replaced by voice, video and body movement, which is believed a positive step forward in the evolution of human technology and redesign of education.

42. #10425 House mice 高频 老题新考 机经题 新增高频 超高频

According to new research, house mice (*Mus musculus*) are ideal biomarkers of human settlement as they tend to stow away in crates or on ships that end up going where people go. Using mice as a proxy for human movement can add to what is already known through archaeological data and answer important questions in areas where there is a lack of artifacts, Searle said.

Where people go, so do mice, often stowing away in carts of hay or on ships. Despite a natural range of just 100 meters (109 yards) and an evolutionary base near Pakistan, the house mouse has managed to colonize every continent, which makes it a useful tool for researchers like Searle.

Previous research conducted by Searle at the University of York supported the theory that Australian mice originated in the British Isles and probably came over with convicts shipped there to colonize the continent in the late 18th and 19th centuries.

In the Viking study, he and his fellow researchers in Iceland, Denmark and Sweden took it a step further, using ancient mouse DNA collected from archaeological sites dating from the 10th to 12th centuries, as well as modern mice.

He is hoping to do just that in his next project, which involves tracking the migration of mice and other species, including plants, across the Indian Ocean, from South Asia to East Africa.

参考答案

House mice (*Mus musculus*) are ideal biomarkers of human settlement, and house mouse has managed to colonize every continent, which makes it a useful tool for researchers, and he and his fellow researchers in Iceland, Denmark and Sweden took it a step further, using ancient mouse DNA collected from archaeological sites, and he is hoping to do just that in his next project.

43. #10424 Upper Palaeolithic People 机经题 高频 超高频



The ways of life Upper Paleolithic people are known through the remains of meals scattered around their hearths, together with many tools and weapons and the debris left over from their making. The people were hunter-gathers who lived exclusively from what they could find in nature without practicing either agriculture or herding. They hunted the bigger herbivores, while berries, leaves, roots, wild fruit and mushrooms probably played a major role in their diet. Their hunting was indiscriminate; perhaps because so many animals were about they did not need to spare pregnant females or the young. In the cave of Enlene, for example, many bones of reindeer and bison fetuses were found. Apparently, upper Paleolithic people hunted like other predators and killed the weakest prey first. They did, however, sometimes concentrate on salmon runs and migrating herds of reindeer.

Contrary to popular beliefs about cave man, upper Paleolithic people did not live deep inside caves. They rather chose the foot of cliffs, especially when an overhang provided good shelter. On the plains and in the valleys, they used tents made from hides of the animals they killed. At times, on the great Russian plains, they built huts with huge bones and tusks collected from skeletons of mammals.

Men hunted mostly with spears, the bow and arrow were probably not invented until the Magdalenian period that came at the end of the Upper Paleolithic. Tools and weapons, made out of wood or reindeer antlers, often had flint cutting edges. Flint nappers were skillful and traditions in flint napping were passed down for thousands of years. This continuity means that they must have been carefully thought how to find good flint modules and how to shape them in order to make knives, brûles (chisel-like tools) or scrapers, which could be used for various purposes.

参考答案

The people were hunter-gathers who lived exclusively from what they could find in nature without practicing either agriculture or herding, and upper Paleolithic people did not live deep inside caves, and men hunted mostly with spears, and tools and weapons often had flint cutting edges, and they must have been carefully thought how to find good flint modules and how to shape them for various purposes. (66)

44. #10423 The study of human remains 机经题 高频 超高频



In April 2008 the British government announced that, henceforth, all human remains archaeologically excavated in England and Wales should be reburied after a two-year period of scientific analysis. Not only would internationally important prehistoric remains have to be returned to the ground, removing them from public view, but also there would no longer be any possibility of long-term scientific investigation as new techniques and methods emerged and developed in the future. Thus, while faunal remains, potsherds, artefacts and environmental samples could be analysed and re-analysed in future years, human remains were to be effectively removed from the curation process. Archaeologists and other scientists were also concerned that this might be the first step towards a policy of reburying all human remains held in museum collections in England and Wales including prehistoric, Roman, Saxon, Viking and Medieval as well as more recent remains.

参考答案

The British government announced that all human remains archaeologically excavated in England and Wales should be reburied after a two-year period of scientific analysis, and human remains were to be effectively removed from the curation process, and archaeologists and other scientists were also concerned that this might be the first step towards a policy of reburying all human remains held in museum collections. (63)

45. #10419 Australian Indigenous Food 高频 机经题 超高频

In its periodic quest for culinary identity, Australia automatically looks to its indigenous ingredients, the foods that are native to this country. ‘There can be little doubt that using an indigenous product must qualify a dish as Australian’ , notes Stephanie Alexander (357). Similarly, and without qualification, Cherikoff states that ‘A uniquely Australian food culture can only be based upon foods indigenous to this country’ (14), although, as Craw remarks, proposing Australian native foods as national symbols relies more upon their association with ‘nature’ and geographic origin than on common usage (46). Notwithstanding the lack of justification for the premise that national dishes are, of necessity, founded on ingredients native to the country—after all, Italy’s gastronomic identity is tied to the non-indigenous tomato, Thailand’s to the non-indigenous chili—the reality is that Australians do not eat indigenous foods in significant quantities. The exceptions are fish, crustaceans and shellfish from oceans, rivers and lakes, most of which are unarguably unique to this country. Despite valiant and well-intentioned efforts today at promoting and encouraging the consumption of native resources, bush foods are not harvested or produced in sufficient



quantities for them to be a standard component of Australian diets, nor are they generally accessible. Indigenous foods are less relevant to Australian identity today than lamb and passionfruit, both initially imported and now naturalized.

参考答案

Australia automatically looks to its indigenous ingredients, the foods that are native to this country, and Australians do not eat indigenous foods in significant quantities, and indigenous foods are less relevant to Australian identity today than lamb and passionfruit, both initially imported and now naturalised

46. #10418 Napping and sleeping 机经题 高频 超高频

Could midday napping save your life? If the experience of Greek men is any guide, the answer just may be yes. In a study released yesterday, researchers at the Harvard School of Public Health and in Athens reported that Greeks who took regular 30-minute napping were 37% less likely to die of heart disease over a six-year period than those who never napped. The scientists tracked more than 23,000 adults, finding that the benefits of napping were most pronounced for working men. Researchers have long recognized that Mediterranean adults die of heart disease at a rate lower than Americans and Northern Europeans. Diets rich in olive oil and other heart-healthy foods have received some of the credit, but scientists have been intrigued by the potential role of napping.

The study concluded that napping was more likely than diet or physical activity to lower the incidence of heart attacks and other like-ending heart ailments.

Specialists not involved with the study said there are sound biochemical reasons to believe that a nap may help protect against heart disease. Essentially, they said, sleep at any time of day acts like a valve to release the stress of everyday life.

参考答案

While midday napping could save life, Greeks who took napping were less likely to die of heart disease than those who never napped, and the benefits of napping were most pronounced for working men, which means that napping was more likely than diet or physical activity to lower the incidence of heart attacks and other like-ending heart ailments because sleep at any time acts as a valve to release the stress of everyday life.
protection to working men. (71words)

47. #10411 Green house gas 高频 机经题 超高频



When an individual drives a car, heats a house, or uses an aerosol hair spray, **greenhouse gases are produced**. In economic terms, **this creates a classic negative externality**. Most of the cost (in this case, those arising from global warming) are borne by individuals other than the one making the decision about how many miles to drive or how much hair spray to use. Because the driver (or sprayer) enjoys all the benefits of the activities but suffers only part of the cost, that **individual engages in more than the economically efficient amount of the activity**. In this sense, the problem of greenhouse gases parallels the problem that occurs when someone smokes a cigarette in an enclosed space or litters the countryside with fast-food wrappers. If we are to get individuals to reduce production of greenhouse gases to the efficient rate **we must somehow induce them to act as though they bear all the costs of their actions. The two most widely accepted means of doing this are government regulation and taxation**, both of which have been proposed to deal with greenhouse gases.

参考答案

Greenhouse gases are produced, and this creates a classic negative externality, and individual engages in more than the economically efficient amount of the activity, and if we are to get individuals to reduce production of greenhouse gases to the efficient rate we must somehow induce them to act as though they bear all the costs of their actions, and the two most widely accepted means are government regulation and taxation.

(70words)

48. #10407 Tree rings (Dendrochronology 树木年代学) 高频 机经题 超高频

Here's how tree ring dating, known to scientists as dendrochronology works. If you cut a tree down today, it's straightforward to count the rings inwards, starting from the tree's outside (corresponding to this year's growth ring), and thereby to state that the 177th ring from the outermost one towards the centre was laid down in the year 2005 minus 177, or 1828. However, **the widths of tree growth rings vary from year to year**, depending on the rain or drought conditions in each year.

Hence **the sequence of the rings in a tree cross-section is like a message in Morse code** formerly used for sending telegraph messages; dot-dot-dash-dot-dash in the Morse code, wide-wide narrow-wide- narrow in the tree ring sequence. Actually **the tree ring sequence is even more diagnostic and richer in information** than the Morse code, because trees



actually contain rings spanning many different widths, rather than the Morse code choice between dot and dash.

Tree ring specialists (known as dendrochronologists) **proceed by noting the sequence of wider and narrower rings** in a tree cut down in a known recent year, and also noting the sequences in beams

from trees cut down at various times in the past. They then match up and align the tree ring sequences with the same diagnostic wide/narrow patterns from different beams.

In that way, dendrochronologists have constructed tree ring records extending back for thousands of years in some parts of the world. **Each record is valid for a geographic area whose extent depends on local weather patterns**, because weather and hence tree growth patterns vary with location.

参考答案

How tree ring dating is known as dendrochronology works, and the widths of tree growth rings vary from year to year, and the sequence of the rings is like a message in Morse code, and it is even more diagnostic and richer in information, and tree ring specialists proceed by noting the sequence of wider and narrower rings, and each record is valid for a geographic area whose extent depends on local weather patterns.
(74 words)