

ECAT Pre General Science English Chapter 8 Comprehension

Sr	Questions	Answers Choice
1	<p>Paul's wife knows Paul loves to read cookbooks. She decides to get him one for his birthday. Paul tells her he will try to make a new recipe for three days in a row. On Monday, Paul makes blueberry pancakes for breakfast. He gets the blueberries from the farmers' market. On Tuesday, Paul makes beef soup for dinner. He puts in cubes of beef, carrots, and onions. The recipe calls for cream, but Paul does not cream. He uses water instead. On Wednesday, Paul makes a tomato salad with cucumbers and onions. He picks the cucumbers and tomatoes from his garden. He likes this dish best. It was also the easiest for him to make.</p> <p>Why doesn't Paul use cream?</p>	<p>A. He doesn't like it B. There was none at the store C. There was none in the garden D. There was none at the farmers' market</p>
2	<p>The Baxter house is located at the end of the street. This house sits farther back from the curb than the other houses. It is almost difficult to see from the road without peering behind the deformed oak tree that has obscured it for years. Even so, the Baxter house stands out from the other houses on the street. It is tall and white. However, this white is no longer pristinely white, but a dingy grayish cream color. Long vines hang from the tattered roof. The Baxter house is two stories tall and has a large yard in the back that has never been mowed. The other houses on the street are a mere one story and have been painted a variety of colors. The newer, single story properties all appear to have been built around the same time; the yards mostly being of the same size, and the houses appearing to be clones of one another. Aside from the Baxter house at the end, this street is a perfect slice of middle America. The inhabitants of the other houses wonder who lives in the ancient, dilapidated house at the end of the street.</p> <p>The inhabitants of the other houses</p>	<p>A. Wonder why the owner does not take care of his or her house B. Wonder who lives in the ancient, dilapidated house at the end of the street C. Wish their houses were more uniquely designed D. Wish they had larger yards</p>
3	<p>Have you ever wondered what keeps a hot air balloon flying? The same principal that keeps food frozen in the open chest freezers at the grocery store allows hot air balloons to fly. It's very basic principle: Hot air rises and cold air falls. So while the super-cooled air in the grocery store freezer settles down around the food, the hot air in a hot air balloon pushes up, keeping the balloon floating above the ground. In order to understand more about how this principal works in hot air balloons, it helps to know more about hot air balloons themselves. A hot air balloon has three major parts: the basket, the burner, and the envelope. The basket is where passengers ride. The basket is usually made of wicker. This ensures that it will be comfortable and add little extra weight. The burner is positioned above the passenger's heads and produced a huge flame to heat the air inside the envelope. The envelope is the colorful fabric balloon that holds the hot air. When the air inside the envelope is heated, the balloon rises. The pilot can control the up-and-down movements of the hot air balloon by regulating the heat in the envelope. To ascend, the pilot heats the air in the envelope. When the pilot is ready to land, the air in the balloon is allowed to cool and the balloon becomes heavier than air. This make the balloon descend. Before the balloon is launched, the pilot knows which way the wind is blowing. This means that she has a general idea about which way the balloon will go. But, sometimes the pilot can actually control the direction that the balloon flies while in flight. This is because the air above the ground is sectioned into layers in which the direction of the wind may be different. So even though the pilot can't steer the balloon, she can fly higher or lower into a different layer of air. Some days the difference between the directions of the wind between layers is negligible. But other days the difference is so strong that it can actually push the balloon in a completely different direction. As used in paragraph 3, which is the best synonym for 'ascend'?</p>	<p>A. move B. fly C. sink D. climb</p>
	<p>Fleas are perfectly designed by nature to feast on anything containing blood. Like a shark in the water or a wolf in the woods, fleas are ideally equipped to do what they do, making them very difficult to defeat. The bodies of these tiny parasites are extremely hardy and well-suited for their job.</p> <p>A flea has a very hard exoskeleton, which means the body is covered by a tough, tile-like plate called a sclerite. Because of these plates, fleas are almost impossible to squish. The exoskeletons of fleas are also waterproof of fleas are also waterproof and shock resistant, and therefore fleas are highly resistant to the sprays and chemicals used to kill them.</p> <p>Little spines are attached to his plate. The spine the flea scurries through an animal's fur in – search of grooming pet tries to pull a flea off through the hair coat, these</p>	

spines will extend and stick to the fur like Velcro.

Fleas are some of the best jumpers in the natural world. A flea can jump seven inches, or 150 times its own length, either vertically or horizontally. An equivalent jump for a person would be 555 feet, the height of the Washington Monument. Fleas can jump 30,000 times in a row without stopping, and they are able to accelerate through the air at an incredibly high rate – a rate which is over ten times what humans can withstand in an airplane.

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Fleas have very long rear legs with huge thigh muscles and multiple joints. When they get ready to jump, they fold their long legs up and crouch like a runner on a starting block. Several of their joints contain a protein called resilin, which helps catapult fleas into the air as they jump, similar to the way a rubber band provides momentum to a slingshot. Outward facing claws on the bottom of their legs grip anything they touch when they land.

The adult female flea mates after her first blood meal and begins producing eggs in just 1 to 2 days. One flea can lay up to 50 eggs in one day and over 2,000 in her lifetime. Flea eggs can be seen with the naked eye, but they are about the size of a grain of salt. Shortly after being laid, the eggs begin to transform into cocoons. In the cocoon state, fleas are fully developed adults, and will hatch immediately if conditions are favorable. Fleas can detect warmth, movement, and carbon dioxide in exhaled breath, and these three factors stimulate them to emerge as new adults. If the flea does not detect appropriate conditions, it can remain dormant in the cocoon state for extended periods. Under ideal conditions, the entire life cycle may only take 3 weeks, so in no time at all, pets and homes can become infested.

Because of these characteristics, fleas are intimidating opponents. The best way to control fleas, therefore, is to take steps to prevent an infestation from ever occurring.

Based on information in the passage, the reader can understand that

- A. Fleas will die without access to blood
- B. Fleas survive at a higher rate in outdoor habitats
- C. Fleas will die after they produce 2,000 eggs
- D. Newly hatched fleas are the size of a grain of salt

In the early 1920's, settlers came to Alaska looking for gold. They traveled by boat to the coastal towns of Seward and Knik, and from there by land into the gold fields. The trail they used to travel inland is known today as the Iditarod Trail, one of the National Historic Trails designated by the congress of the United States. The Iditarod Trail quickly became a major thoroughfare in Alaska, as the mail and supplies were carried across this trail. People also used it to get from place to place, including the priests, ministers, and judges who had to travel between villages down this trail was via god sled.

Once the gold rush ended, many gold-seekers went back to where they had come from, and suddenly there was much less travel on the Iditarod Trail. The introduction of the airplane in the late 1920's meant dog teams were mode of transportation, of course airplane carrying the mail and supplies, there was less need for land travel in general. The final blow to the use of the dog teams was the appearance of snowmoniles.

By the mid 1960's most Alasknas didn't even know the Iditarod Trail existed, or that dos teens had played a crucial role in Alaska's early settlements. Dorothy G.Page, a self-made historian, recognized how few people knew about the former use of sled dogs as working animals and about the Iditarod Trail's role in Alaska's colorful history. To she came up with the idea to have a god sled race over the Iditarod Trail. She presented her idea to an enthusiastic musher, as dog sled drivers are known, named Joe Redington, Sr. Soon the pages and the Redintons were working together to promote the idea of the Iditarod race.

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- A. Paragraph 1
- B. Paragraph 2
- C. Paragraph 3
- D. Paragraph 5

Many people worked to make the first Iditarod Trail Sled Dog Race a reality in 1967. The Aurora Dog Musers Club, along with men from the Adult Camp in Sutton, helped clear years of overgrowth from the first nine miles of the Iditarod Trail. To raise interest in the race, a \$25,000 purse was offered, with Joe Redington donating one acre of his land to help raise the funds. The short race, approximately 27 miles long, was put on a second time in 1969.

After these first two successful races, the goal was to lengthen the race a little further to the

ghost town of Iditarod by 1973. However in 1972, the U.S. Army reopened the trail as a winter exercise, and so in 1973, the decision was made to take the race all the way to the city of Nome-over 1,000 miles. There were who believed it could bot be done and that it wad crazy to send a bunch out into vast, uninhabited Alaskan wilderness. But the race went! 22 mushers finished that year, and to date over 400 people have completed it.

In 1925, when a diphtheria outbreak threatened the lives of people in the remote town of Nome, the government used the Iditarod Trail to transport medicine nearly 700 miles to the town. If the author chose the include this fact is the passage, it would best fit in

Democratic societies from the earliest times have expected their governments to protect the weak against the strong. No 'era of good feeling' can justify discharging the police force or giving up the idea of public control over concentrated private wealth. On the other hand, it is obvious that a spirit of self-denial and moderation on

6 wealth. On the other hand, it is obvious that a spirit of self-denial and moderation on the part of those who hold economic power will greatly soften the demand for absolute equality. Men are more interested in freedom and security than in an equal distribution of wealth. The extent to which Government must interfere with business, therefore, is not exactly measured by the extent to which economic power is concentrated into a few hands. The required degree of government interference depends mainly on whether economic powers are oppressively used, and on the necessity of keeping economic factors in a tolerable state of balance.

- A. Time of prosperity
- B. Time of adversity
- C. Time without government
- D. Time of police atrocities

However, with the necessity of meeting all these dangers and threats to liberty, the powers of government are unavoidably increased, whichever political party may be in office. The growth of government is a necessary result of the growth of technology and of the problems that go with the use of machines and science. Since the government in our nation, must take on more powers to meet its problems, there is no way to preserve freedom except by making democracy more powerful.

'Era of good feeling' in the paragraph refer to

7 Q.4 Educational planning should aim at meeting the educational needs of the entire population of all age groups while the traditional structure of education as a three layer hierarchy from the primary stage to the university represents the core we should not overlook the periphery which is equally important Under modern conditions workers need to rewind or renew their enthusiasm or strike out in a new direction or improve their skills as much any university professor the retired and the aged have their needs as well Educational planning in their words should take care of the needs of everyone. Our structures of education have been built up on the assumption that there is a terminal point to education This basic defect has become all the more harmful today. A UNESCO report entitled Learning to be prepared by Edgar Faure and others in 1973 asserts that the education of children must prepare the future should consist of modules with different kinds of functions serving a diversity of constituent And performance not the period of study should be the basis for credentials the writing is already on the wall In view of the fact that the significance of a commitment of lifelong learning and lifetime education is being discussed only in recent years even in educationally advanced countries the possibility of the idea becoming an integral part of the idea becoming an integral part of educational thinking seems to be a far cry For to move in that direction means such more than some simple rearrangement of the present organization of education but a good beginning can be made by developing open university programs for older learners of different categories and introducing extension services in the conventional colleges and schools also these institutions should learn to cooperate with the numerous community municipal recreational programs health services etc.

g. According to the author what should be the basis for awarding credentials

- A. Duration of the course
- B. Competence of the course teachers
- C. Diversity of the topics covered
- D. Real grasp of matter or skill

This is the age of machine. Machines are everywhere, in the fields, in the factory, in the home, in the street, in the city, in the country, everywhere. To fly, it is not necessary to have wings; there are machines. To swim under the sea, it is not necessary to have gills; there are machines. To kill our fellowmen in over-whelming numbers, there are machines. Petrol machines alone provide ten times more power than all human beings in the world. In the busiest countries, each individual has six hundred human slaves in his machines.

8 What are the consequences of this abnormal power? Before the war, it looked as though it might be possible, for the first time in history to provide food and clothing and shelter for the teeming population of the world-every man, woman and child. This would have been the greatest triumphs of science. And yet, if you remember, we saw the world crammed, full of food and people hungry. Today, the leaders are bare and millions, starving. That's more begin to hum, are we going to see again more and more food, and people still hungry? For the goods, it makes the goods, but avoids the consequences.

- A. To provide food, clothing and shelter to everyone
- B. None would get food, clothing and shelter
- C. Only rich people would get food, clothing and shelter
- D. People would get only clothing

What would be one of the greatest triumphs of science?

At the time Jane Austen's novels were published – between 1811 and 1818 – English literature was not part of any academic curriculum. In addition, fiction was under strenuous attack. Certain religious and political groups felt novels had the power to make so-called immoral characters so interesting that young readers would identify with them; these groups also considered novels to be of little practical use. Even Coleridge, certainly no literary reactionary, spoke for many when he asserted that "novel-reading occasions the destruction of the mind's powers."

These attitudes towards novels help explain why Austen received little attention from early nineteenth-century literary critics. (In any case a novelist published anonymously, as Austen was, would not be likely to receive much critical attention.) The literary response that was accorded to her, however, was often as incisive as twentieth-century criticism. In his attack in 1816 on novelistic portrayals "outside of ordinary experience," for example. Scott made an insightful remark about the merits of Austen's fiction.

Her novels, wrote Scott, "present to the reader an accurate and exact picture of ordinary everyday people and places, reminiscent of seventeenth-century Flemish

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primary, everyday people and places, reminiscent of seventeenth-century Flemish painting." Scott did not use the word 'realism', but he undoubtedly used a standard of realistic probability in judging novels. The critic Whately did not use the word 'realism', either, but he expressed agreement with Scott's evaluation, and went on to suggest the possibilities for moral instruction in what we have called Austen's 'realistic method' her characters, wrote Whately, are persuasive agents for moral truth since they are ordinary persons "so clearly evoked that we feel an interest in their fate as if it were our own." Moral instruction, explained Whately, is more likely to be effective when conveyed through recognizably human and interesting characters than when imparted by a sermonizing narrator. Whately especially praised Austen's ability to create character who "mingle goodness and villainy, weakness and virtue, as in life they are always mingled. "Whately concluded his remarks by comparing Austen's art of characterization to Dickens', starting his preference for Austen's.

- A. Refute the literary opinions of certain religious and political groups
- B. Make a case for the inferiority of novel to poetry
- C. Give an example of a writer who was not a literary reactionary
- D. Indicate how widespread the attack on novels was in the early nineteenth century

Yet, the response of nineteenth-century literary critics to Austen was not always so laudatory, and often anticipated the reservations of twentieth-century literary critics. An example of such a response was Lewes complaint in 1859 that Austen's range of subject and characters was too narrow. Praising her verisimilitude, Lewes added that, nonetheless her focus was too often only upon the unlofty and the commonplace. (Twentieth-century Marxists, on the other hand, were to complain about what they saw as her exclusive emphasis on a lofty upper middle class.) In any case having being rescued by literary critics from neglect and indeed gradually lionized by them, Austen steadily reached, by the mid-nineteenth century, the enviable pinnacle of being considered controversial.

The author quotes Coleridge in order to

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The Baxter house is located at the end of the street. This house sits farther back from the curb than the other houses. It is almost difficult to see from the road without peering behind the deformed oak tree that has obscured it for years. Even so, the Baxter house stands out from the other houses on the street. It is tall and white. However, this white is no longer pristinely white, but a dingy grayish cream color. Long vines hang from the tattered roof. The Baxter house is two stories tall and has a large yard in the back that has never been mowed. The other houses on the street are a mere one story and have been painted a variety of colors. The newer, single story properties all appear to have been built around the same time; the yards mostly being of the same size, and the houses appearing to be clones of one another. Aside from the Baxter house at the end, this street is a perfect slice of middle America. The inhabitants of the other houses wonder who lives in the ancient, dilapidated house at the end of the street.

- A. They have all been painted the same color
- B. They are all situated next to each other on the street
- C. There are no other oak trees on this street
- D. The yards are mostly the same size

Which characteristic makes it clear that the "newer, built around the same time"?

Arrowheads, which are ancient hunting tools, are often themselves 'hunted' for their interesting value both as artifacts and as art. Some of the oldest arrowheads in the United States date back 12,000 years. They are not very difficult to find. You need only to walk with downcast eyes in a field that has been recently tilled for the spring planting season, and you might find one.

Arrowheads are tiny stones or pieces of wood, bone, or metal which have been sharpened in order to create a tipped weapon used in hunting. The material is honed to an edge, usually in a triangular fashion, and is brought to a deadly tip. On the edge opposite the tip is a flared tail. Though designs vary depending on the region, purpose, and era of the arrowhead's origin, the tails serve the same purpose. The tail of the arrowhead is meant to be strapped onto a shaft, which is a straight wooden piece such as a spear or an arrow. When combined, the arrowhead point and the shaft become a lethal projectile weapon to be thrown by arm or shot with a bow at prey.

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Indian arrowheads are important artifacts that give archeologists (scientists who study past human societies) clues about the lives of Native Americans. By analyzing an arrowhead's shape, they can determine the advancement of tool technologies among certain Native American groups. By determining the origin of the arrowhead material (bone, rock, wood, or metal), they can trace the patterns of travel and trade of the hunters. By examine the location of the arrowheads, archeologists can map out hunting grounds and other social patterns.

- A. Native American Foods and Hunting
- B. The Significance of the Arrowhead
- C. How an Archeologist Finds Artifacts
- D. Spring Hobbies: 5 Ways to Spend Your Day Outside

Arrowheads are commonly found along riverbanks or near creek beds because animals drawn to natural water sources to sustain life were regularly found drinking along the banks. For this reason, riverbeds were a prime hunting ground for the Native Americans. Now, dry and active riverbeds are prime hunting grounds for arrowhead collectors.

Indian arrowheads are tiny pieces of history that fit in the palm of your hand. They are

diary entries in the life of a hunter. They are museum pieces that hide in the dirt. They are symbolic of the eternal struggle between life and death.

Which of the following would be the best title for this passage?

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The history of the modern world is a record of highly varied activity, of incessant change, and of astonishing achievement. The lives of men have, during the last few centuries, increasingly diversified, their powers have greatly multiplied, their powers have greatly multiplied, their horizon been enormously enlarged. New interests have arisen in rich profusion to absorb attention and to provoke exertion. New aspirations and new emotions have come to move the soul of men. Amid all the bewildering phenomena, interest, in particular, has stood out in clear and growing pre-eminence, has expressed itself in a multitude of ways and with an emphasis more and more pronounced, namely, the determination of the race to gain a larger measure of freedom than it has ever known before, freedom in the life of the intellect and spirit, freedom in the realm of government and law, freedom in the sphere of economic and social relationship. A passion that has prevailed so widely, that has transformed the world so greatly, and is still transforming it, is one that surely merits study and abundantly rewards it, its operations constitute the very pith and marrow of modern history.

- A. In ancient times
- B. In early middle ages
- C. In later middle ages
- D. In modern times

Not that this passion was unknown to the long ages that preceded the modern periods. The ancient Hebrews, the ancient Greeks and Roman blazed the way leaving behind them a precious heritage of accomplishments and suggestions and the men who were responsible for the Renaissance of the fifteenth century and the Reformation of the sixteenth century contributed their imperishable part to this slow and difficult emancipation of the human race. But it is in modern times the pace and vigour, the scope and sweep of this liberal movement have so increased unquestionably as to dominate the age, particularly the last three centuries that have registered great triumphs of spirit.

At what time history did the liberal movement enjoys its heyday?

13

Do you live in a house? You might be surprised to learn that there are many, many kinds of houses. Most people in the United States are used to houses made of wood or bricks. But many people around the world live in houses made of grass, dirt, or cloth. In the Great Rift Valley of Eritrea, the nomadic people who are in the Atr tribe build their houses of straw. Their houses are shaped like domes - half spheres. The homes are small and cool. The people can move their houses when they want to move. Since the people are nomads, they move often. They take their animals to new places in order to find food. People who belong to the Uros tribe of Lake Titicaca, Peru build their houses of reeds. Not only that - they also live on islands that are made of reeds. Their boats are made of reeds too. About 2,000 people live on these man-made islands. They started to build their own islands about 500 years ago. In Andalusia, in the south of Spain, some people live in underground houses. This kind of house is called a cueba. During the winter, the houses stay warm. During the summer, the houses stay cool. In Sana'a, Yemen, some people live in tall houses made of bricks. These bricks are made of clay, straw and soil. The bricks last many years - maybe as long as 500 years. The modern houses in Sana'a are made to look like the older, traditional houses, but they are made of concrete instead of bricks. In Mindadanao in the Philippines, some people still live in tree houses. The tree houses are made of bamboo with grass roofs. The houses are good lookout for snakes and wild animals. The air is cool and the houses stay dry. Now, most people use these tree houses as meeting places. The fisherman of Sabah, Malaysia build their houses on the water. They use wood from mangrove trees. This wood stays strong in the water. The houses receive official addresses from the government. Fujian, China has many townhouses that are made of hard-packed soil. The dirt becomes as strong as bricks when it is packed hard. One large family group lives in a townhouse. The townhouses were built around 300 years ago. A group of townhouses is protected by a thick dirt-packed wall. In the Gobi Desert in Mongolia, some nomadic people live in homes called gels. These homes are made of cloth. The cloth is filled with animal hair. Two poles in the center of the house hold the house up. The people move often to find food for their animals. The houses are easy to move and set up. Some American Indians live in teepees. These homes are made of cloth or buffalo hide. There are wooden poles used to hold the teepee up. Now some people use teepees only for special ceremonies, but people used to live in them all the time. The traditional houses of Chitos, Greece, are made of stone. They have arched doorways and indoor courtyards. They have outdoor dining rooms which are decorated with tile and rock. This means they are ornamented, and made to look more beautiful. The Dayak people of Indonesia build some of their houses on stilts, several feet the ground. The frame of the house is made of iron. The walls are made of tree bark. The floors are made of wooden planks which are placed side by side. The houses are decorated with pictures of water snakes and rhinoceros birds. These animals are part of the people's story of creation, or how the world was made. People build their houses to fit the needs of their lives. The houses are different, but one thing is the same wherever you go. There's no place like home

Question:
Why did people live in tree houses?

- A. so they could see far
- B. so they could stay cool
- C. so they could stay safe
- D. All of the above

A great deal of discussion countries as to the real extent of global environmental degradation and its implicational. What few people challenge however is that the renewable natural resources of developing countries are today subject to stresses of unprecedented magnitude. These pressures are bought about, in part, by increased

population and the quest for an ever expanding food supply. Because the healthy, nutrition and general well-being of the poor majority are directly depends on the integrity and productivity of their natural resources, the capability of governments to manage them effectively over the long term becomes of paramount importance.

Developing countries are becoming more aware of the ways in which present and future economic development must build upon a sound and sustainable natural resources base. Some are looking at our long tradition in environmental protection and are receptive to US assistance which recognizes the uniqueness of the social and ecological systems in these tropical countries. Developing countries recognize the need to improve their capability to analyze issues and their own natural resource management. In February 1981, for example AID funded a national Academy of Sciences panel to advise Nepal on their severe natural resource degradation problems. Some countries such as Senegal, India, Indonesia and Thailand, are now including conservation concerns in their economic development planning process.

Because so many governments of developing nations have recognized the importance of these issues, the need today is not merely one of raising additional consciousness, but for carefully designed and sharply focused activities aimed at management regimes that are essential to the achievement of sustained development.

Some of the developing countries of Asia and Africa have

- A. Formulated very ambitious plans of protecting habitat in the region
- B. Laid a great stress on the conservation of natural resources in their educational endeavour
- C. Carefully dovetailed environmental conservation with the overall strategy of planned economic development
- D. Sought the help of US experts in solving the problem of environmental degradation

14

Today, Mike and his mom are going to the library. Mike wants to find a book to read. His Mom wants to use a computer there. When they get to the library, Mike finds a book about detectives. He also finds a book with chapters about a friendly ghost. Finally, he finds a book about a man who lives in the woods without food or water. He puts the books on the front desk and waits for his mom. Mike's mom sits at one of the computers in the library. She checks her email and looks at pictures of flowers on the internet. Then she reads a news article on a website. Mike's mom leaves the computer and walks over to Mike, holding up something out for him. Mike looks at her quizzically. It takes him a moment to recognize what movie for us to watch tonight, " says Mike's mom. "Sure," Mike says, now holding the movie out in front of him. He reads the cover while walking back to the library entrance. He puts his books and the

movie on the front desk to check out. A librarian stands behind the counter holding an electronic scanner. "How long can we keep them?" Mike asks her. "Three weeks," says the librarian. "Cool," says Mike. Suddenly, Mike is surprised. His mother is checking out something else that is too big to put on the desk. It's a picture of the ocean. "What is that for?" Mike asks. "To put on our wall at home," says Mike's mom. "You can do that?" Mike asks. Mike's mom smiles at the librarian. "Yes," she says, " but we have to return it in three months." According to the passage, how long can Mike and his mother use the books and the movie before they must return them to the library?

- A. one week
- B. two weeks
- C. three weeks
- D. four weeks

15

Fleas are perfectly designed by nature to feast on anything containing blood. Like a shark in the water or a wolf in the woods, fleas are ideally equipped to do what they do, making them very difficult to defeat. The bodies of these tiny parasites are extremely hardy and well-suited for their job.

A flea has a very hard exoskeleton, which means the body is covered by a tough, tile-like plate called a sclerite. Because of these plates, fleas are almost impossible to squish. The exoskeletons of fleas are also waterproof of fleas are also waterproof and shock resistant, and therefore fleas are highly resistant to the sprays and chemicals used to kill them.

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- A. Estimate the extreme distance that a flea is able to jump
- B. Illustrate a comparison made between fleas and humans
- C. Clarify a point made regarding fleas and acceleration
- D. Demonstrate the superiority of fleas over human

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breath, and these three factors stimulate them to emerge as new adults. If the flea does not detect appropriate conditions, it can remain dormant in the cocoon state for extended periods. Under ideal conditions, the entire life cycle may only take 3 weeks, so in no time at all, pets and homes can become infested.

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The author mentions the Washington Monument in order to

Philadelphia is a city known for many things. It is where the Declaration of independence was signed in 1776, and it was also the first capital of the United States. But one fact about Philadelphia is not so well-known: it is home to nearly 3,000 murals painted on the sides of homes and buildings around the city. In fact, it is said that Philadelphia has more murals than any other city in the world, with the exception of Rome. How did this come to be?

More than 20 years ago, a New Jersey artist named Jane Golden started a program pairing troubled youth with artists to paint murals on a few buildings around the city. From this small project, something magical happened. The young people involved helped to create magnificent pieces of art, but there were other, perhaps more important benefits. The young people learned to collaborate and get along with many different kinds of people during the various steps required to paint and design a mural. They learned to be responsible, because they needed to follow a schedule to make sure the murals were completed. They also learned to take pride in their community. It is hard for any resident to see the spectacular designs and not feel proud to be a part of Philadelphia.

Take a walk around some of the poorest neighborhoods in Philadelphia, neighborhoods full of broken windows and littered front steps, and you will find beautiful works of art on the sides and fronts of buildings. Of course they murals are not just in poor neighborhoods, but more affluent ones as well. Special buses take tourists to different parts of the city to see the various murals, which range from huge portraits of historical heroes, to cityscapes, to scenes depicting the diverse ethnic groups that call Philadelphia home.

As a result of its success, the mural program created by Jane Golden has now become the nation's largest public art program and a model for troubled youth.

Based on information in the passage, it can be inferred that the author believes the two best reasons for other cities to adopt the mural programs are to

- A. Beautify their city and draw tourists
- B. Help troubled youth and beautify their city
- C. Have as many murals Philadelphia and help troubled youth
- D. Draw tourists and surpass Philadelphia in terms of number of murals

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Q.5 Recent advances in science and technology have made it possible for geneticists to find out abnormalities in the unborn foetus and take remedial action to rectify some defects which would otherwise prove to be fatal to the child. Though genetic engineering is still at its infancy, a scientist can now predict with greater accuracy a genetic disorder it is not yet an exact science since they are not in a position to predict when exactly a genetic disorder will set in. While they have not yet been able to change the genetic order of the gene in germs they are optimistic and are holding out that in the near future they might be successful in achieving this feat they have however acquired the ability in manipulating tissue cells. However genetic mis-information can sometimes be damaging for it may adversely affect people psychologically. Genetic information may lead to tendency to brand some people as inferiors. Genetic information can therefore be abused and its application in deciding the sex of the foetus and its subsequent abortion is now hotly debated on ethical lines but on this issue geneticists cannot be squarely blamed though this charge has often been leveled at them it is mainly a societal problem. At present genetic engineering is a costly process of detecting disorders but scientists hope to reduce the costs when technology becomes more advanced this is why much progress in this area has been possible in scientifically advanced and rich countries like the U.S.A, U.K and Japan it remains to be seen if in the future this science will lead to the development of a race of supermen or will be able to obliterate disease from this world.

a. Which of the following is the same in meaning as the phrase holding out as used in the passage

- A. Catching
- B. Expounding
- C. Sustaining
- D. Restraining

18

The history of literature really began was the earliest of the arts. Man danced for joy round his primitive camp fire after the defeat and slaughter of his enemy. He yelled and shouted as he danced and gradually the yells and shouts became coherent and caught the measure of the coherent and caught the measure of the dance and thus the first war song was sung. As the idea of God developed prayers were framed. The songs and prayers became traditional and were repeated from one generation to another, each generation adding something of its own. As man slowly grew more civilized, he was compelled to invent some method of writing by three urgent necessities. There were certain things that it was dangerous to forget and which, therefore, had to be recorded. It was often necessary to communicate with person who were some distance away and it was necessary to protect one's property by

- A. Literature was passed on by word by mouth
- B. Prayers were considered literature
- C. Literature was just singing and dancing
- D. There was no literature

19

making tools, cattle and so on, in some distinctive manner. So man taught himself to write and having learned to write purely for utilitarian reasons he used this new method for preserving his war songs and his prayers. Of course, among these ancient peoples, There were only a very few individuals who learned to write, and only a few could read what was written.

21. There was no literature

Before man invented writing

20

Recent advances in science and technology have made it possible for geneticists to find out abnormalities in the unborn foetus and take remedial action to rectify some defects which would otherwise prove to be fatal to the child. Though genetic engineering is still at its infancy, scientists can now predict with greater accuracy a genetic disorder. It is not yet an exact science since they are not in a position to predict when exactly a genetic disorder will set in. While they have not yet been able to change the genetic order of the gene in germs, they are optimistic and are holding out that in the near future they might be successful in achieving this feat. They have, however, acquired the ability in manipulating tissue cells. However, genetic mis-information can sometimes be damaging for it may adversely affect people psychologically. Genetic information may lead to a tendency to brand some people as inferiors. Genetic information can therefore be abused and its application in deciding the sex of the foetus and its subsequent abortion is now hotly debated on ethical lines. But on this issue geneticists cannot be squarely blamed though this charge has often been leveled at them. It is mainly a societal problem. At present genetic engineering is a costly process of detecting disorders but scientists hope to reduce the costs when technology becomes more advanced. This is why much progress in this area has been possible in scientifically advanced and rich countries like the U.S.A., U.K. and Japan. It remains to be seen if in the future this science will lead to the development of a race of supermen or will be able to obliterate disease from this world.

A. Yes

B. No

C. It can do so only in some cases

At present genetic engineering can rectify all genetic disorders. Is it?