



SAT小帮手

# High Definition SAT Test

**North America, October 2016**

Designed by SAT 小帮手 | 北京偶课教育科技有限公司

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**Test begins on the next page.**

# Reading Test

65 MINUTES, 52 QUESTIONS

Turn to Section 1 of your answer sheet to answer the questions in this section.

## DIRECTIONS

Each passage or pair of passages below is followed by a number of questions. After reading each passage or pair, choose the best answer to each question based on what is stated or implied in the passage or passages and in any accompanying graphics (such as a table or graph).

### Questions 1-10 are based on the following passages.

This passage is excerpted from George Eliot, *SILAS MARNER*. Originally published in 1861. ©George Eliot. Silas is the adoptive father of Eppie.

Line Unlike the gold which needed nothing, and must  
be worshipped in close-locked solitude—which was  
hidden away from the daylight, was deaf to the song  
of birds, and started to no human tones—Eppie was a  
5 creature of endless claims and ever-growing desires,  
seeking and loving sunshine, and living sounds, and  
living movements; making trial of everything, with  
trust in new joy, and stirring the human kindness in all  
eyes that looked on her. The gold had kept his thoughts  
10 in an ever-repeated circle, leading to nothing beyond  
itself; but Eppie was an object compacted of changes and  
hopes that forced his thoughts onward, and carried them  
far away from their old eager pacing towards the same  
blank limit—carried them away to the new things that  
15 would come with the coming years, when Eppie would  
have learned to understand how her father Silas cared  
for her; and made him look for images of that time in  
the ties and charities that bound together the families  
of his neighbours. The gold had asked that he should sit  
20 weaving longer and longer, deafened and blinded more  
and more to all things except the monotony of his loom  
and the repetition of his web; but Eppie called him away  
from his weaving, and made him think all its pauses a

holiday, reawakening his senses with her fresh life, even  
25 to the old winter-flies that came crawling forth in the  
early spring sunshine, and warming him into joy because  
she had joy.

And when the sunshine grew strong and lasting, so that  
the buttercups were thick in the meadows, Silas might be  
30 seen in the sunny midday, or in the late afternoon when  
the shadows were lengthening under the hedgerows,  
strolling out with uncovered head to carry Eppie beyond  
the Stone-pits to where the flowers grew, till they reached  
some favourite bank where he could sit down, while  
35 Eppie toddled to pluck the flowers, and make remarks  
to the winged things that murmured happily above the  
bright petals, calling "Dad-dad's" attention continually by  
bringing him the flowers. Then she would turn her ear to  
some sudden bird-note, and Silas learned to please her by  
40 making signs of hushed stillness, that they might listen  
for the note to come again: so that when it came, she set  
up her small back and laughed with gurgling triumph.  
Sitting on the banks in this way, Silas began to look for  
the once familiar herbs again; and as the leaves, with their  
45 unchanged outline and markings, lay on his palm, there  
was a sense of crowding remembrances from which he  
turned away timidly, taking refuge in Eppie's little world,  
that lay lightly on his enfeebled spirit.

As the child's mind was growing into knowledge, his  
50 mind was growing into memory: as her life unfolded,  
his soul, long stupefied in a cold narrow prison, was  
unfolding too, and trembling gradually into full  
consciousness.

It was an influence which must gather force with every new year: the tones that stirred Silas's heart grew articulate, and called for more distinct answers; shapes and sounds grew clearer for Eppie's eyes and ears, and there was more that "Dad-dad" was imperatively required to notice and account for. Also, by the time Eppie was three years old, she developed a fine capacity for mischief, and for devising ingenious ways of being troublesome, which found much exercise, not only for Silas's patience, but for his watchfulness and penetration. Sorely was poor Silas puzzled on such occasions by the incompatible demands of love.

1

Which choice best describes a major theme of the passage?

- A) The corrupting influence of a materialistic society.
- B) The moral purity of young children.
- C) The bittersweet brevity of childhood naiveté.
- D) The restorative power of parental love.

2

As compared with Silas's gold, Eppie is portrayed as having more

- A) vitality.
- B) durability.
- C) protection.
- D) Self-sufficiency.

3

Which statement best describes a technique that narrator uses to represent Silas's character before he adopted Eppie?

- A) The narrator emphasizes Sila's former obsession with wealth by depicting his gold as requiring certain behaviors on his part.
- B) The narrator underscores Sila's former greed by describing his gold as seeming to reproduce on its own.
- C) The narrator hints at Sila's former antithetical attitude by contrasting his present behavior toward his neighbors with his past behavior toward them.
- D) The narrator demonstrates Sila's former lack of self-awareness by implying that he is unable to recall life before Eppie.

4

The narrator uses the phrase "making trial of everything" (line 7) to present Eppie as

- A) friendly.
- B) curious.
- C) disobedient.
- D) judgmental.

5

According to the narrator, one consequence of Silas adopting Eppie is that he

- A) has renounced all desire for money
- B) better understands his place in nature.
- C) seems more accepting of help from others.
- D) looks forward to a different kind of future.

6

Which choice provides the best evidence for the answer to the previous question?

- A) lines 9-11 (“The ... itself”)
- B) lines 11-15 (“but ... years”)
- C) lines 38-40 (“Then ... stillness,”)
- D) lines 56-59 (“shapes ... for”)

7

What function does the second paragraph (lines 28-48) serve in the passage as a whole?

- A) It presents the particular moment at which Silas recalled that Eppie was changing him.
- B) It highlights Silas’s love for Eppie by depicting the sacrifices that he makes for her.
- C) It illustrates the effect that Eppie have on Silas by describing the interaction between them.
- D) It reveals a significant alteration in the relationship between Silas and Eppie.

8

In describing the relationship between Eppie and Silas, the narrator draws a connection between Eppie’s

- A) physical vulnerability and Silas’s emotional fragility.
- B) expanding awareness and Silas’s increasing engagement with life.
- C) boundless energy and Silas’s insatiable desire for wealth.
- D) physical growth and Silas’s painful perception of his own mortality.

9

Which choice provides the best evidence for the answer to the previous question?

- A) lines 1-9 (“Unlike ... her.”)
- B) lines 28-35 (“And ... flowers”)
- C) lines 43-44 (“Sitting ... again”)
- D) lines 49-53 (“As ... consciousness”)

10

As used in line 60, “fine” most nearly means

- A) acceptable.
- B) delicate.
- C) ornate.
- D) keen.

**Questions 11-21 are based on the following passages.**

This passage is adapted from David Rotman, “How Technology is Destroying Jobs.” ©2013 by MIT Technology Review.

MIT business scholars Erik Brynjolfsson and Andrew McAfee have argued that impressive advances in computer technology—from improved industrial robotics to automated translation services—are largely behind the sluggish employment growth of the last 10 to 15 years. Even more ominous for workers, they foresee dismal prospects for many types of jobs as these powerful new technologies are increasingly adopted not only in manufacturing, clerical, and retail work but in professions such as law, financial services, education, and medicine.

That robots, automation, and software can replace people might seem obvious to anyone who’s worked in automotive manufacturing or as a travel agent. But Brynjolfsson and McAfee’s claim is more troubling and controversial. They believe that rapid technological change has been destroying jobs faster than it is creating them, contributing to the stagnation of median income and the growth of inequality in the United States. And, they suspect, something similar is happening in other technologically advanced countries.

As evidence, Brynjolfsson and McAfee point to a chart that only an economist could love. In economics, productivity—the amount of economic value created for a given unit of input, such as an hour of labor—is a crucial indicator of growth and wealth creation. It is a measure of progress. On the chart Brynjolfsson likes to show, separate lines represent productivity and total employment in the United States. For years after World War II, the two lines closely tracked each other, with increases in jobs corresponding to increases in productivity. The pattern is clear: as businesses generated more value from their workers, the country as a whole became richer, which fueled more economic activity and created even more jobs. Then, beginning in 2000, the lines diverge; productivity continues to rise robustly, but employment suddenly wilts. By 2011, a significant gap appears between the two lines, showing economic growth with no parallel increase in job creation. Brynjolfsson and McAfee call it the “great decoupling.” And Brynjolfsson

says he is confident that technology is behind both the healthy growth in productivity and the weak growth in jobs.

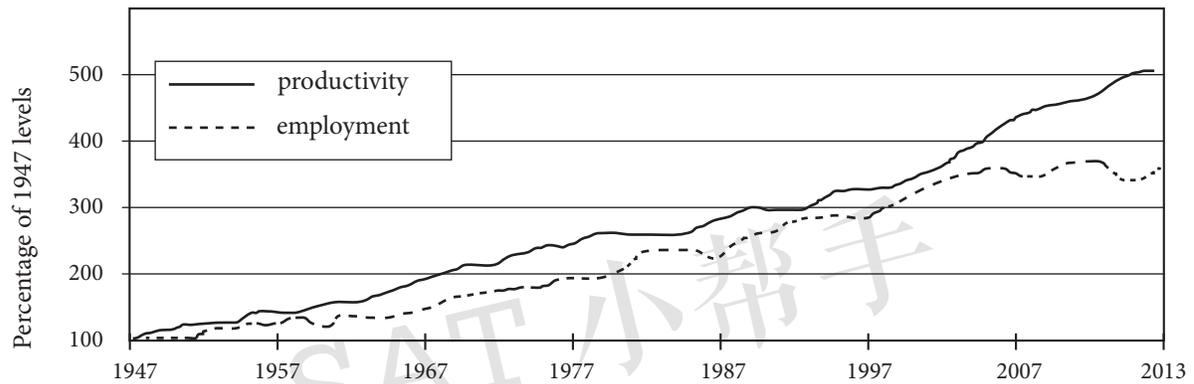
It’s a startling assertion because it threatens the faith that many economists place in technological progress. Brynjolfsson and McAfee still believe that technology boosts productivity and makes societies wealthier, but they think that it can also have a dark side: technological progress is eliminating the need for many types of jobs and leaving the typical worker worse off than before. Brynjolfsson can point to a second chart indicating that median income is failing to rise even as the gross domestic product soars. “It’s the great paradox of our era,” he says. “Productivity is at record levels, innovation has never been faster, and yet at the same time, we have a falling median income and we have fewer jobs. People are falling behind because technology is advancing so fast and our skills and organizations aren’t keeping up.”

While such technological changes can be painful for workers whose skills no longer match the needs of employers, Lawrence Katz, a Harvard economist, says that no historical pattern shows these shifts leading to a net decrease in jobs over an extended period. Katz has done extensive research on how technological advances have affected jobs over the last few centuries—describing, for example, how highly skilled artisans in the mid-19th century were displaced by lower-skilled workers in factories. While it can take decades for workers to acquire the expertise needed for new types of employment, he says, “we never have run out of jobs. There is no long-term trend of eliminating work for people. Over the long term, employment rates are fairly stable. People have always been able to create new jobs. People come up with new things to do.”

Still, Katz doesn’t dismiss the notion that there is something different about today’s digital technologies—something that could affect an even broader range of work. The question, he says, is whether economic history will serve as a useful guide. Will the job disruptions caused by technology be temporary as the workforce adapts, or will we see a science-fiction scenario in which automated processes and robots with superhuman skills take over a broad swath of human tasks? Though Katz expects the historical pattern to hold, it is “genuinely a question,” he says. “If technology disrupts enough, who knows what will happen?”

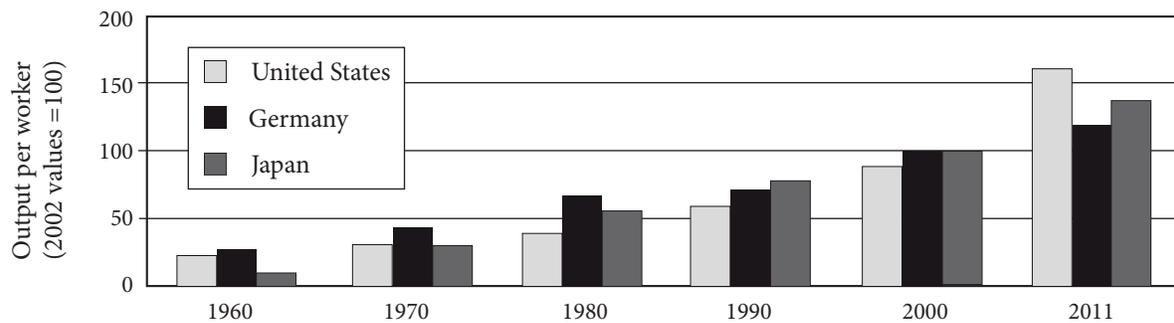
Figure 1

## United States Productivity and Employment



I, xiaobanshou, drew this! I'm proud of myself.

Figure 2

Output per Employed Person in Manufacturing  
as Factories Have Become More Automated

11

The main purpose of the passage is to

- A) examine the role of technology in worker's lives during the last century.
- B) advocate for better technology to enhance workplace conditions.
- C) argue for changes in how technology is deployed in the workplace.
- D) assess the impact of advancements in technology on overall job growth.

12

According to Brynjolfsson and McAfee, advancements in technology since approximately the year 2000 have resulted in

- A) low job growth in the United States.
- B) global workplace changes.
- C) more skilled laborers in the United States.
- D) no global creation of new jobs.

13

Which choice provides the best evidence for the answer to the previous question?

- A) lines 1-6 (“MIT ... years”)
- B) lines 11-13 (“That ... agent”)
- C) lines 18-20 (“And, ... countries”)
- D) lines 31-34 (“as ... jobs”)

14

The primary purpose of lines 23-24 (“the amount ... labor”) is to

- A) describe a process.
- B) highlight a dilemma.
- C) clarify a claim.
- D) explain a term.

15

As used in lines 31, “clear” most nearly means

- A) pure.
- B) keen.
- C) untroubled.
- D) unmistakable.

16

Which of the following best characterizes Katz's attitude toward “today's digital technologies” (lines 75)?

- A) He is alarmed about countries' increasing reliance on them.
- B) He is unconcerned about their effect on the economy.
- C) He is uncertain how they might affect job growth.
- D) He is optimistic that they will spot job creation to a degree not seen since the mid-nineteenth century.

17

Which choice provides the best evidence for the answer to the previous question?

- A) lines 62-67 (“Katz ... factories”)
- B) lines 67-69 (“While ... jobs.”)
- C) lines 72-73 (“People ... do”)
- D) lines 84-85 (“If ... happen”)

18

As used in line 76, “range” most nearly means

- A) region.
- B) scope.
- C) distance.
- D) position.

19

According to figure 1, which of the following years showed the widest gap between percentages of productivity and employment?

- A) 1987
- B) 1997
- C) 2007
- D) 2013

20

Which statement is supported by figure 2?

- A) The country with the greatest growth in output per manufacturing worker from 1960 to 1990 was Germany.
- B) Japan experienced its smallest increase in output per manufacturing worker from 2000 to 2011.
- C) Each of the three countries experienced an increase in its output per manufacturing worker from 1960 to 2011.
- D) Of the three countries, the United States had the greatest output per manufacturing worker for each of the years shown.

21

Which additional information, if presented in figure 2, would be most useful in evaluating the statement in lines 53-55 (“Productivity ... jobs”)?

- A) The median income of employees as it compares across all three countries in a single year.
- B) The number of people employed in factories from 1960 to 2011.
- C) The type of organizations at which output of employed persons was measured.
- D) The kinds of manufacturing tasks most frequently taken over by machines.

**Questions 22-33 are based on the following passages.**

This passage is adapted from Patricia Waldron, “Why Birds Fly in a V Formation.” ©2014 by American Association for the Advancement of Science

Anyone watching the autumn sky knows that migrating birds fly in a V formation, but scientists have long debated why. A new study of ibises finds that these big-winged birds carefully position their wingtips and sync their flapping, presumably to catch the preceding bird’s updraft—and save energy during flight.

There are two reasons birds might fly in a V formation: It may make flight easier, or they’re simply following the leader. Squadrons of planes can save fuel by flying in a V formation, and many scientists suspect that migrating birds do the same. Models that treated flapping birds like fixed-wing airplanes estimate that they save energy by drafting off each other, but currents created by airplanes are far more stable than the oscillating eddies coming off a bird. “Air gets pretty darn wiggy behind a flapping wing,” says James Usherwood, a locomotor biomechanist at the Royal Veterinary College at the University of London in Hatfield, where the research took place.

The study, published in *Nature*, took advantage of an existing project to reintroduce endangered northern bald ibises (*Geronticus eremita*) to Europe. Scientists used a microlight plane to show hand-raised birds their ancestral migration route from Austria to Italy. A flock of 14 juveniles carried data loggers specially built by Usherwood and his lab. The device’s GPS determined each bird’s flight position to within 30 cm, and an accelerometer showed the timing of the wing flaps.

Just as aerodynamic estimates would predict, the birds positioned themselves to fly just behind and to the side of the bird in front, timing their wing beats to catch the uplifting eddies. When a bird flew directly behind another, the timing of the flapping reversed so that it could minimize the effects of the downdraft coming off the back of the bird’s body. “We didn’t think this was possible,” Usherwood says, considering that the feat requires careful flight and incredible awareness of one’s neighbors. “Perhaps these big V formation birds can be thought of quite like an airplane with wings that go up and down.”

The findings likely apply to other long-winged birds, such as pelicans, storks, and geese, Usherwood says. Smaller birds create more complex wakes that would make drafting too difficult. The researchers did not attempt to calculate the bird’s energy savings because the necessary physiological measurements would be too invasive for an endangered species. Previous studies estimate that birds can use 20% to 30% less energy while flying in a V.

“From a behavioral perspective it’s really a breakthrough,” says David Lentink, a mechanical engineer at Stanford University in Palo Alto, California, who was not involved in the work. “Showing that birds care about syncing their wing beats is definitely an important insight that we didn’t have before.” To definitively say that the birds are drafting off each other, however, the exact location of the eddies and the areas of downdraft would need to be measured on ibises, which would require flying them in a wind tunnel—a far more intrusive process than simply carrying a data logger.

Scientists do not know how the birds find that aerodynamic sweet spot, but they suspect that the animals align themselves either by sight or by sensing air currents through their feathers. Alternatively, they may move around until they find the location with the least resistance. In future studies, the researchers will switch to more common birds, such as pigeons or geese. They plan to investigate how the animals decide who sets the course and the pace, and whether a mistake made by the leader can ripple through the rest of the flock to cause traffic jams.

“It’s a pretty impressive piece of work as it is, but it does suggest that there’s a lot more to learn,” says Ty Hedrick, a biologist at the University of North Carolina, Chapel Hill, who studies flight aerodynamics in birds and insects.

However they do it, he says, “birds are awfully good hang-glider pilots.”

22

The main purpose of the passage is to

- A) describe how squadrons of planes can save fuel by flying in a V formation.
- B) discuss the effects of downdrafts on birds and airplanes.
- C) explain research conducted to study why some birds fly in a V formation.
- D) Illustrate how birds sense currents through their feathers.

23

The author includes the quotation “Air gets pretty unpredictable behind a flapping wing” (lines 15-16) to

- A) explain that the current created by a bird differs from that of an airplane.
- B) stress the amount of control exerted by birds flying in a V formation.
- C) indicate that wind movement is continuously changing.
- D) emphasize that the flapping of a bird’s wings is powerful.

24

What can reasonably be inferred about the reason Usherwood used northern bald ibises as the subjects of his study?

- A) The ibises were well acquainted with their migration route.
- B) Usherwood knew the ibises were familiar with carrying data loggers during migration.
- C) The ibises have a body design that is similar to that of a modern airplane.
- D) The ibises were easily accessible for Usherwood and his team to track and observe.

25

Which choice provides the best evidence for the answer to the previous question?

- A) lines 3-6 (“A ... flight”)
- B) lines 9-11 (“Squadrons ... same”)
- C) lines 19-21 (“The ... Europe”)
- D) lines 25-27 (“The ... flaps”)

26

What is the most likely reason that the author mentions 30 cm measurement in line...?

- A) To demonstrate the accuracy with which the data loggers collected the data.
- B) To present recorded data about how an ibis flies between successive flaps.
- C) To provide the wingspan length of a juvenile.
- D) To show how far behind the microlight from which each ibis flew.

27

What does the author imply about pelicans, storks, and geese flying in a V formation?

- A) They communicate with each other in the same way as do ibises.
- B) They have the same migration routes as the ibises.
- C) They create a similar wake to that of ibises.
- D) They expend more energy than do ibises.

28

Which choice provides the best evidence for the answer to the previous question?

- A) lines 31-34 (“When ... body”)
- B) lines 42-43 (“Smaller ... difficult”)
- C) lines 46-48 (“Previous ... V”)
- D) lines 63-65 (“Alternatively, ... resistance”)

29

What is a main idea of the seventh paragraph (lines 60-70)?

- A) Different types of hierarchies exist in each flock of birds.
- B) Mistakes can happen when long-winged birds create a V formation.
- C) Future research will help scientists to better understand V formation.
- D) Long-winged birds watch the lead bird closely keep a V formation intact.

30

The author uses the phrase “aerodynamic sweet spot” in line 61 most likely to

- A) describe how the proper structural design of an airplane helps to save fuel.
- B) show that flying can be an exhilarating experience.
- C) describe the birds’ synchronized wing movement.
- D) suggest that a certain position in a V formation faces the least amount of resistance.

31

As used in line 69, “ripple” most nearly means

- A) fluctuate.
- B) spread.
- C) wave.
- D) undulate.

**Questions 32-42 are based on the following passages.**

This passage is adapted from Alexis de Tocqueville, *Democracy in America*, Volume 2. Originally published in 1840. Passage 2 is adapted from Harriet Taylor Mill, "Enfranchisement of Women." Originally published in 1851. As United States and European societies grew increasingly democratic during the nineteenth century, debates arose about whether freedoms enjoyed by men should be extended to women as well.

**Passage 1**

I Have shown how democracy destroys or modifies the different inequalities which originate in society; but is this all? or does it not ultimately affect that great inequality of man and woman which has seemed, up to the present day, to be eternally based in human nature? I believe that the social changes which bring nearer to the same level the father and son, the master and servant, and superiors and inferiors generally speaking, will raise woman and make her more and more the equal of man. But here, more than ever, I feel the necessity of making myself clearly understood; for there is no subject on which the coarse and lawless fancies of our age have taken a freer range.

There are people in Europe who, confounding together the different characteristics of the sexes, would make of man and woman beings not only equal but alike. They would give to both the same functions, impose on both the same duties, and grant to both the same rights; they would mix them in all things — their occupations, their pleasures, their business. It may readily be conceived, that by thus attempting to make one sex equal to the other, both are degraded; and from so preposterous a medley of the works of nature nothing could ever result but weak men and disorderly women. It is not thus that the Americans understand that species of democratic equality which may be established between the sexes. They admit, that as nature has appointed such wide differences between the physical and moral constitution of man and woman, her manifest design was to give a distinct employment to their various faculties; and they hold that improvement does not consist in making beings so dissimilar do pretty nearly the same things, but in getting each of them to fulfil their respective tasks in the best possible manner. The Americans have applied to

the sexes the great principle of political economy which governs the manufactures of our age, by carefully dividing the duties of man from those of woman, in order that the great work of society may be the better carried on.

**Passage 2**

As society was constituted until the last few generations, inequality was its very basis; association grounded on equal rights scarcely existed; to be equals was to be enemies; two persons could hardly cooperate in anything, or meet in any amicable relation, without the law's appointing that one of them should be the superior of the other. Mankind have outgrown this state, and all things now tend to substitute, as the general principle of human relations, a just equality, instead of the dominion of the strongest. But of all relations, that between men and women being the nearest and most intimate, and connected with the greatest number of strong emotions, was sure to be the last to throw off the old rule and receive the new; for in proportion to the strength of a feeling, is the tenacity with which it clings to the forms and circumstances with which it has even accidentally become associated.

... The proper sphere for all human beings is the largest and highest which they are able to attain to. What this is, cannot be ascertained, without complete liberty of choice... Let every occupation be open to all, without favour or discouragement to any, and employments will fall into the hands of those men or women who are found by experience to be most capable of worthily exercising them. There need be no fear that women will take out of the hands of men any occupation which men perform better than they. Each individual will prove his or her capacities, in the only way in which capacities can be proved--by trial; and the world will have the benefit of the best faculties of all its inhabitants. But to interfere beforehand by an arbitrary limit, and declare that whatever be the genius, talent, energy, or force of mind of an individual of a certain sex or class, those faculties shall no be exerted, or shall be exerted only in some few of the many modes in which others are permitted to use theirs, is not only an injustice to the individual, and a detriment to society, which loses what it can ill spare, but is also the most effectual mode of providing that, in the sex or class so fettered, the qualities which are not permitted to be exercised shall not exist.

32

As used in line 8, “raise” most nearly means

- A) increase.
- B) cultivate.
- C) nurture.
- D) elevate.

33

In Passage 1, Tocqueville implies that treatment of men and women as identical in nature would have which consequence?

- A) Neither sex would feel oppressed.
- B) Both sexes would be greatly harmed.
- C) Men would try to reclaim their lost authority.
- D) Men and women would have privileges they do not need.

34

Which choice provides the best evidence for the answer to the previous question?

- A) lines 14-16 (“There ... alike”)
- B) lines 16-18 (“They ... rights”)
- C) lines 20-22 (“It ... degraded”)
- D) lines 24-26 (“It ... sexes”)

35

As used in line 47, “dominion” most nearly means

- A) omnipotence
- B) supremacy
- C) ownership
- D) territory

36

In Passage 2, Mill most strongly suggest that gender roles are resistant to changes because they

- A) have long served as the basis for the formed organization of society.
- B) are matters of deeply entrenched traditions.
- C) can be influenced by legislative redresses only indirectly.
- D) benefit the groups and institutions currently in power

37

Which choice provides the best evidence for the answer to the previous question?

- A) lines 39-40 (“As ... basis”)
- B) lines 42-45 (“two ... other”)
- C) lines 52-55 (“in ... associated”)
- D) lines 60-63 (“employments ... them”)

38

Both authors would most likely agree that the changes in gender roles that they describe would be

- A) part of a broad social shift toward greater equality.
- B) unlikely to provide benefits that outweigh their costs.
- C) inevitable given the economic advantages of gender equality.
- D) at odds with the principles of American democracy.

39

Tocqueville in Passage 1 would most likely characterize the position taken by Mill in lines 59-63 in Passage 2 (“Let ... them”) as

- A) less radical about gender roles than it might initially seem.
- B) persuasive in the abstract but difficult to implement in practice.
- C) ill-advised but consistent with a view held by some other advocates of gender equality.
- D) compatible with economic progress in the United States but not in Europe.

40

Which choice best describes the ways that the two authors conceived of the individual’s proper position in society?

- A) Tocqueville believes that an individual’s position should be defined in important ways by that individual’s sex, while Mill believes that an individual’s abilities should be the determining factor.
- B) Tocqueville believes that an individual’s economic class should determine that individual’s position, while Mill believes that class is not a legitimate consideration.
- C) Tocqueville believes that an individual’s temperament should determine that individual’s position, while Mill believes that temperament should not be a factor in an individual’s position.
- D) Tocqueville believes that an individual’s position should be determined by what is most beneficial to society, while Mill believes it should be determined by what an individual finds most rewarding.

41

Based on Passage 2, Mill would most likely say that the application of the “great principle of political economy” (lines 35, Passage 1) to gender has which effect?

- A) It prevents many men and women from developing to their full potential.
- B) It makes it difficult for men and women to sympathize with each other.
- C) It unintentionally furthers the cause of gender equality.
- D) It guarantees that women taken occupations that men are better suited to perform.

**Questions 43-52 are based on the following passages.**

This passage is adapted from Brain Greene, “How the Higgs Boson Was Found” ©by Smithsonian magazine. The Higgs boson is an elementary particle associated with the Higgs field – Experiments conducted in 2012-2013 tentatively confirmed the existence of the Higgs Boson and thus of the Higgs field.

Nearly a half-century ago, Peter Higgs and a handful of other physicists were trying to understand the origin of a basic physical feature: mass. You can think of mass as an object’s heft or, a little more precisely, as the resistance it offers to having its motion changed. Push on a freight train (or a feather) to increase its speed, and the resistance you feel reflects its mass. At a microscopic level, the freight train’s mass comes from its constituent molecules and atoms, which are themselves built from fundamental particles, electrons and quarks. But where do the masses of these and other fundamental particles come from?

When physicists in the 1960s modeled the behavior of these particles using equations rooted in quantum physics, they encountered a puzzle. If they imagined that the particles were all massless, then each term in the equations clicked into a perfectly symmetric pattern, like the tips of a perfect snowflake. And this symmetry was not just mathematically elegant. It explained patterns evident in the experimental data. But—and here’s the puzzle—physicists knew that the particles did have mass, and when they modified the equations to account for this fact, the mathematical harmony was spoiled. The equations became complex and unwieldy and, worse still, inconsistent.

What to do? Here’s the idea put forward by Higgs. Don’t shove the particles’ masses down the throat of the beautiful equations. Instead, keep the equations pristine and symmetric, but consider them operating within a peculiar environment. Imagine that all of space is uniformly filled with an invisible substance—now called the Higgs field—that exerts a drag force on particles when they accelerate through it. Push on a fundamental particle in an effort to increase its speed and, according to Higgs, you would feel this drag force as a resistance.

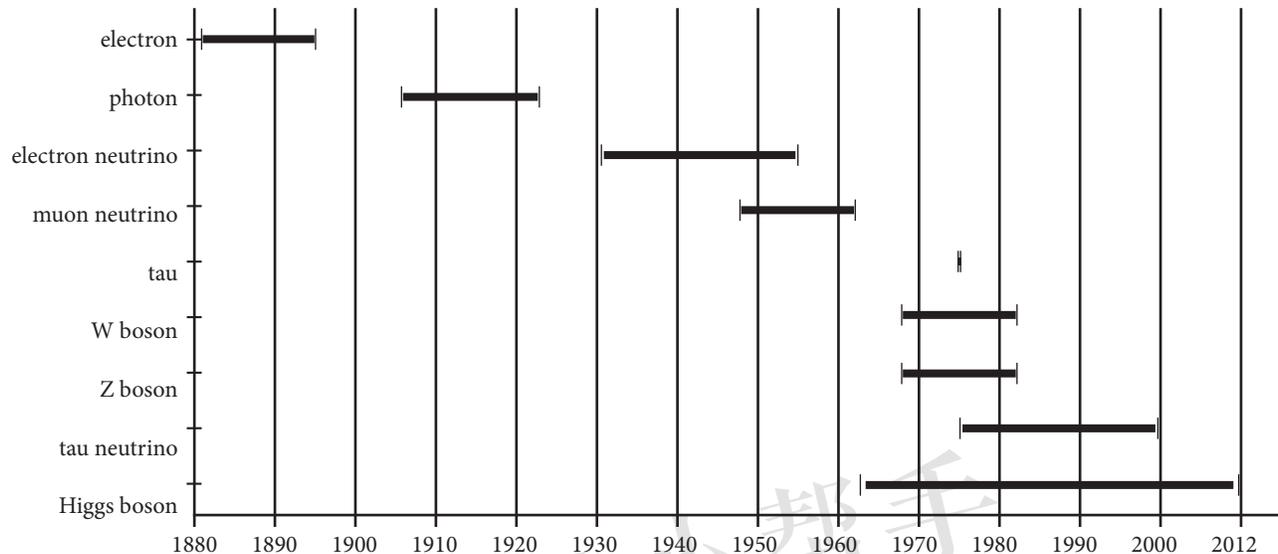
Justifiably, you would interpret the resistance as the particle’s mass. For a mental toehold, think of a ping-pong ball submerged in water. When you push on the ping-pong ball, it will feel much more massive than it does outside of water. Its interaction with the watery environment has the effect of endowing it with mass. So with particles submerged in the Higgs field.

In 1964, Higgs submitted a paper to a prominent physics journal in which he formulated this idea mathematically. The paper was rejected. Not because it contained a technical error, but because the premise of an invisible something permeating space, interacting with particles to provide their mass, well, it all just seemed like heaps of overwrought speculation. The editors of the journal deemed it “of no obvious relevance to physics.”

But Higgs persevered (and his revised paper appeared later that year in another journal), and physicists who took the time to study the proposal gradually realized that his idea was a stroke of genius, one that allowed them to have their cake and eat it too. In Higgs’ scheme, the fundamental equations can retain their pristine form because the dirty work of providing the particles’ masses is relegated to the environment.

While I wasn’t around to witness the initial rejection of Higgs’ proposal in 1964 (well, I was around, but only barely), I can attest that by the mid-1980s, the assessment had changed. The physics community had, for the most part, fully bought into the idea that there was a Higgs field permeating space. In fact, in a graduate course I took that covered what’s known as the Standard Model of Particle Physics (the quantum equations physicists have assembled to describe the particles of matter and the dominant forces by which they influence each other), the professor presented the Higgs field with such certainty that for a long while I had no idea it had yet to be established experimentally. On occasion, that happens in physics. Mathematical equations can sometimes tell such a convincing tale, they can seemingly radiate reality so strongly, that they become entrenched in the vernacular of working physicists, even before there’s data to confirm them.

Years from Introduction of Concept of Particle to Experimental Confirmation



Adapted from the editors of *The Economist*, "Worth the Wait." ©2012 by The Economist Newspaper Limited.

42

Over the course of the passage, the main focus shifts from

- A) a technical account of the Higgs field to a description of it aimed at a broad audience.
- B) a review of Higgs's work to a contextualization of that work within Higgs's era.
- C) an explanation of the Higgs field to a discussion of the response to Higgs's theory.
- D) an analysis of the Higgs field to a suggestion of future discoveries that might build upon it.

43

The main purpose of the analogy of the ping-pong ball (line 37) is to

- A) popularize a little-known fact.
- B) contrast competing scientific theories.
- C) criticize a widely accepted explanation.
- D) clarify an abstract concept.

44

The author most strongly suggests that the reason the scientific community initially rejected Higgs's idea was that the idea

- A) addressed a problem unnoticed by other physicists.
- B) only worked if the equations were flawless.
- C) rendered accepted theories in physics obsolete.
- D) appeared to have little empirical basis.

45

Which choice provides the best evidence for the answer to the previous question?

- A) lines 28-30 ("Instead, ... environment")
- B) lines 43-45 ("In ... mathematically")
- C) lines 45-49 ("Not ... speculation")
- D) lines 62-64 ("The ... space")

46

The author notes that one reason Higgs's theory gained acceptance was that it

- A) let scientists accept two conditions that had previously seemed irreconcilable.
- B) introduced an innovative approach that could be applied to additional problems.
- C) answered a question that earlier scientists had not even raised.
- D) explained why two distinct phenomena were being misinterpreted as one phenomenon.

47

Which choice provides the best evidence for the answer to the previous question?

- A) lines 5-7 ("Push ... mass")
- B) lines 40-42 ("Its ... field")
- C) lines 51-58 ("But ... environment")
- D) lines 71-76 ("On ... them")

48

Which statement best describes the technique the author uses to advance the main point of the last paragraph?

- A) He recounts a personal experience to illustrate a characteristic of the discipline of physics.
- B) He describes his own education to show how physics has changed during his career.
- C) He provides autobiographical details to demonstrate how Higgs's theory was confirmed.
- D) He contrasts the status of Higgs's theory at two time periods to reveal how the details of the theory evolved.

49

As used in line 71, "established" most nearly means

- A) validated
- B) founded
- C) introduced
- D) enacted

50

What purpose does the graph serve in relation to the passage as a whole?

- A) It indicates that the scientific community's quick acceptance of the Higgs boson was typical.
- B) It places the discussion of the reception of the Higgs boson into a broader scientific context.
- C) It demonstrates that the Higgs boson was regarded differently than were other hypothetical particles.
- D) It clarifies the ways in which the Higgs boson represented a major discovery.

51

Which statement is supported by the figure?

- A) Electron and electron neutrino took almost the same period of time to be recognized by the physics community.
- B) Tau neutrino was accepted by the physics community almost instantaneously.
- C) Photon was the first particle being accepted by the physics community.
- D) Higgs boson took longer time than did any other particle shown in the figure to be accepted.

52

According to the figure, which two particles were accepted at roughly the same time?

- A) tau and tau neutrino
- B) electron and electron neutrino
- C) Z boson and W boson
- D) Higgs boson and tau neutrino

**STOP**

**If you are reading this,  
you must be a very careful guy!**

**No Test Material On This Page.**

# Writing and Language Test

35 MINUTES, 44 QUESTIONS

Turn to Section 2 of your answer sheet to answer the questions in this section.

## DIRECTIONS

Each passage below is accompanied by a number of questions. For some questions, you will consider how the passage might be revised to improve the expression of ideas. For other questions, you will consider how the passage might be edited to correct errors in sentence structure, usage, or punctuation. A passage or a question may be accompanied by one or more graphics (such as a table or graph) that you will consider as you make revising and editing decisions. \* This is a watermark of SAT xiaobangshou, please save me.

Some questions will direct you to an underlined portion of a passage. Other questions will direct you to a location in a passage or ask you to think about the passage as a whole.

After reading each passage, choose the answer to each question that most effectively improves the quality of writing in the passage or that makes the passage conform to the conventions of standard written English. Many questions include a "NO CHANGE" option. Choose that option if you think the best choice is to leave the relevant portion of the passage as it is.

Questions 1-11 are based on the following passage.

### NASA: A Space Program with Down-to-Earth Benefits

The National Aeronautics and Space Administration (NASA) is a US government agency whose budget is frequently **1** many times contested.

1

- A) NO CHANGE
- B) oftentimes
- C) repeatedly
- D) DELETE the underlined portion

Many people think of NASA's programs as trivial. In truth, the agency has a widespread positive **2** effect on society by serving as catalyst for innovation and scientific understanding, **3** to create jobs, and showing humanity its place within the universe.

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In 1958, the program's first year, very few people believed that it was even possible for a manned spacecraft to leave the atmosphere and orbit Earth. But by initiating and collaborating on projects such as the Apollo Moon missions, the space shuttle program, the Hubble Space **4** Telescope, and unmanned planetary exploration, NASA has continually challenged its scientists and engineers to do things that were previously thought impossible. All along, these NASA projects have **5** greatly increased international cooperation.

2

- A) NO CHANGE
- B) affect on
- C) effect to
- D) affects on

3

- A) NO CHANGE
- B) creating jobs,
- C) for job creation,
- D) the creation of jobs,

4

- A) NO CHANGE
- B) Telescope; and
- C) Telescope and;
- D) Telescope and,

5

Which choice most effectively sets up the list of examples that follows in the next sentence?

- A) NO CHANGE
- B) garnered national publicity for the agency.
- C) generated a steady stream of new technology.
- D) made a lot of money for the agency.

A short list of inventions **6** elaborated by NASA includes communications satellites, invisible braces, and cordless tools. All these inventions **7** spawns new industries, and with those industries, jobs. NASA also sponsors the Small Business Innovation Research and Small Business Technology Transfer programs, which are specifically designed to support technological development in the private sector.

[1] A report by the Space Foundation estimated that NASA contributed \$180 billion to the economy in 2005. [2] More than 60 percent of the contribution **8** coming from commercial goods and services created by companies using space-related technology. [3] This translates as excellent returns from an agency that received approximately 17.7 billion in tax dollars in 2014. [4] This investment by taxpayers enhances not only the national economy but also the United States' competitiveness in the international market. [5] Moreover, the benefits of NASA funding extend beyond the purely economic, as astrophysicist Neil deGrasse Tyson indicated in his testimony before the US Senate: "For ... a penny on a dollar – we can transform the country from a sullen, dispirited nation, weary of economic struggle, to one where it has reclaimed its twentieth-century birthright to dream of tomorrow." **9**

6

- A) NO CHANGE
- B) evolved
- C) developed
- D) progressed

7

- A) NO CHANGE
- B) spawned
- C) has spawned
- D) spawning

8

- A) NO CHANGE
- B) which came
- C) to come
- D) came

9

To make this paragraph most logical, sentence 1 should be placed?

- A) where it is now.
- B) after sentence 2.
- C) after sentence 3.
- D) after sentence 4.

Tyson's expansive vision for the agency hints at another mission of NASA's, illuminated in this observation by Apollo 14 astronaut Edgar Mitchell: "You develop an instant global consciousness, a people orientation, an intense dissatisfaction with the state of world, and a compulsion to do something about it." **10** With world population topping seven billion, humanity is in need of some perspective. **11** Therefore, we should continue to support NASA not only for practical reasons but also because it is a necessary vehicle for increasing our awareness of how we can fulfill responsibilities to the planet and each other.

\* This is a watermark of SAT xiaobangshou, please save me

**10**

At this point, the writer is considering adding the following sentence.

In addition, NASA has facilities in Washington, DC, Florida, Texas, California, and other states.

Should the writer make this addition here?

- A) Yes, because it serves as a counterargument to the quotation from astrophysicist Neil deGrasse Tyson.
- B) Yes, because it reinforces the passage's point about the importance of NASA's work.
- C) No, because it undermines the passage's claim about the economic benefits of NASA's work.
- D) No, because it blurs the paragraph's focus by introducing information that does not support the paragraphs' claim about the importance of NASA's work.

**11**

- A) NO CHANGE
- B) Instead,
- C) For example,
- D) However,

Questions 12-22 are based on the following passage.

### Professional Development: A Shared Responsibility

New theories, **12** new practices too, and technologies are transforming the twenty-first-century workplace at lightning speed. To perform their jobs successfully in this dynamic environment, workers in many **13** fields – from social services to manufacturing, must continually acquire relevant knowledge and update key skills. This practice of continued education, also known as professional development, benefits not only employees but also their employers. **14** Accordingly, meaningful professional development is a shared responsibility: it is the responsibility of employers to provide useful programs, and it is also the responsibility of employees to take advantage of the opportunities offered to them.

**12**

- A) NO CHANGE
- B) also new practices,
- C) in addition to practices,
- D) practices,

**13**

- A) NO CHANGE
- B) fields
- C) fields,
- D) fields;

**14**

- A) NO CHANGE
- B) Nevertheless,
- C) Regardless,
- D) Similarly,

Critics of employer-provided professional development argue that employees **15** might consider a popular career path. If employees find themselves falling behind in the workplace, these critics **16** contend. Then it is the duty of those employees to identify, and even pay for, appropriate resources to **17** show them how and why they are falling behind and what they should do about it. This argument ignores research pointing to high employee turnover and training new staff as significant costs plaguing employers in many fields. Forward-thinking employers recognize the importance of investing in the employees they have rather than hiring new staff when the skills of current workers **18** get old and worn out.

15

Which choice best establishes the argument that follows?

- A) NO CHANGE
- B) should lean heavily on their employers.
- C) must be in charge of their own careers.
- D) will be ready for changes in the job market.

16

- A) NO CHANGE
- B) contend; then
- C) contend then
- D) contend, then

17

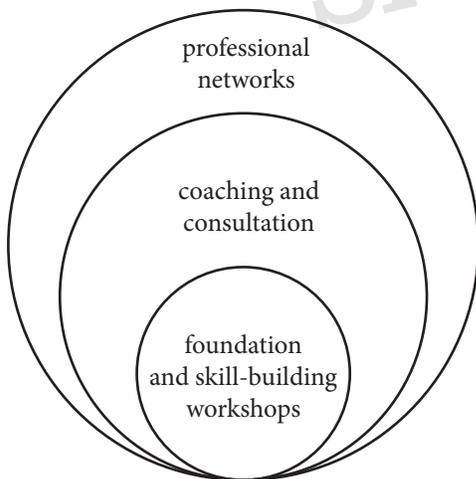
- A) NO CHANGE
- B) address their deficiencies.
- C) deal with their flaws and shortcomings.
- D) allow them to meet their employers' needs in terms of the knowledge they are supposed to have.

18

- A) NO CHANGE
- B) are no good anymore.
- C) become obsolete.
- D) have lost their charm.

The most common forms of professional development provided to employees **19** includes coaching, mentoring, technical assistance, and workshops. Some employers utilize several approaches simultaneously, developing a framework that suits the particular needs of their employees. **20** Around the same time, the figure illustrates a simple yet comprehensive professional-development model created for special education personnel. As the figure suggests, **21** receiving coaching and consultation is the overarching framework, while the opportunity to belong to professional networks and participate in activities such as foundation and skill-building workshops is relatively unimportant.

Professional-Development Framework



19

- A) NO CHANGE
- B) include
- C) including
- D) has included

20

- A) NO CHANGE
- B) Besides that,
- C) Nevertheless,
- D) DELETE the underlined portion and begins sentence with a capital letter.

21

Which choice makes the writer's description of figure most accurate?

- A) NO CHANGE
- B) participation in foundation and skill-building workshops is the overarching framework within which staff receive coaching and consultation as well as the opportunity to belong to a professional network.
- C) membership in a professional network is the overarching framework within which staff receive coaching and consultation as well as opportunity to attend foundation and skill-building workshops.
- D) receiving coaching and consultation is the overarching framework within which staff have the opportunity to belong to a professional network as well as attend foundation and skill-building workshops.

A recent trend in professional development that has provided advantages to both employers and employees is online instruction. From an employer perspective, the first and perhaps most obvious advantage is the lower cost of online professional development compared with that of in-person workshops and training. Employers can also **22** identify, which employees have successfully completed instructional modules and which need to be offered additional training. For employees, online professional development provides the opportunity to receive instruction at their own pace and interact with other professionals online. This exciting trend has the potential to make the shared responsibility of professional development less burdensome for both employers and employees.

22

- A) NO CHANGE
- B) identify:
- C) identify
- D) identify –

Questions 23-33 are based on the following passage.

### The Evolution of Slow Food

In 1986, McDonald's caused a stir in Italy when it opened a restaurant next to Rome's historic Spanish Steps. Young, on-the-go eaters were thrilled; **23** specifically, those who prized regional foods and Italy's convivial culture built on cooking and long meals feared that the restaurant signaled the death of a way of life. To counter the rise of fast food and fast **24** life, a cohort of chefs, journalists, and sociologists spearheaded a Slow Food movement, declaring loyalty to unhurried enjoyment. **25**

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**23**

- A) NO CHANGE
- B) for example,
- C) however,
- D) in fact,

**24**

- A) NO CHANGE
- B) life; a
- C) life: a
- D) life. A

**25**

At this point, the writer is considering adding the following sentence.

The group's philosophy was connected to the tale of the hare and the tortoise, in which the tortoise wins the race.

Should the writer make this addition here?

- A) Yes, because it explains the primary belief that led to the development of the Slow Food movement.
- B) Yes, because it reinforces a claim that the writer makes earlier in the paragraph.
- C) No, because it blurs the paragraph's focus by introducing a new idea that is not clearly explained.
- D) No, because it distracts from the paragraph's emphasis on the Slow Food movement's origins and beliefs.

From its beginning, the movement **26** had opposed the standardization of taste that fast food chains promote. For example, a McDonalds' hamburger made in Boston tastes more or less the same as one made in Beijing. This consistency is made possible by industrial mass production. Slow Food supporters, by contrast, back methods of growing and preparing food based on regional culinary traditions. When produced using traditional methods, goat cheese made in France tastes different from goat cheese made in Vermont. A goat ingests the vegetation particular to the meadow in which it grazes, which, along with other environmental **27** factors such as altitude and weather shapes the cheese's taste and texture. If all foods were produced under the industrial model, **28** we would have meals that are not very flavorful.

26

- A) NO CHANGE
- B) opposes
- C) will oppose
- D) has opposed

27

- A) NO CHANGE
- B) factors, such as altitude and weather,
- C) factor such as, altitude and weather,
- D) factors, such as altitude and weather

28

Which choice most effectively supports the central point of the paragraph?

- A) NO CHANGE
- B) the public would not be interested in learning about traditional foods.
- C) people would not be able to determine how a particular food was made.
- D) consumers would lose this diversity of flavors.

During **29** their early years, the movement also focused on the value of **30** spending lots of time with friends and family during long meals. It emphasized the importance of preserving these “easygoing, slow pleasures.” As the movement grew beyond Italy’s borders – today Slow Food International boasts more than 100,000 members in 150 countries – this emphasis on pleasure **31** pictured criticism for being elitist. Critics have also asked if growing food using traditional methods, as opposed to mass production, **32** can adequately and affordably feed the world? Given the hectic pace of modern life, who among us has the time and resources for elaborate meals? Such questions, in addition to environmental concerns, are at the heart of perennial debates about food production.

29

- A) NO CHANGE
- B) there
- C) its
- D) it’s

30

- A) NO CHANGE
- B) leisurely meals with friends and family.
- C) eating slowly and in the company of loved ones such as friends and family.
- D) joining friends as well as family for time-consuming meals.

31

- A) NO CHANGE
- B) portrayed
- C) drew
- D) sketched

32

- A) NO CHANGE
- B) adequately and affordably can feed the world?
- C) can adequately and affordably feed the world.
- D) adequately and affordably can feed the world.

Over time, Slow Food has broadened its mission to focus on food that is good, clean, and fair for all. Members assert that food should be flavorful, carrying the properties of a particular region; it should be raised using environmentally sustainable practices that preserve biodiversity; and it should be accessible to all without exploiting the labors of those who produced it. **33** In short, Slow Food runs programs that support small-scale producers in marketing regional foods in a world where food corporations threaten to drive them out of the marketplace and homogenize food choices.

33

- A) NO CHANGE
- B) Nonetheless,
- C) To these ends,
- D) By the same token,
- E) If you need the answers to the questions, please contact Wechat: satxbs123

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Questions 34-44 are based on the following passage.

Was the Hoax a Hoax?

For an hour on the evening of October 30, 1938, Orson Welles and other performers from the Mercury Theatre flooded the airwaves with alarming “news bulletins” about a Martian invasion supposedly occurring in Grover’s Mill, New Jersey. They were performing a radio play adapted from *The War of the Worlds*, a science fiction novel by H.G. Wells. The next day, a front-page **34** headline in the New York Times declared, “Radio Listeners in Panic, Taking War Drama as Fact.” **35** The Times article claimed that people had fled their homes and that police stations had been swamped with calls. This version of events persisted, and the legend became that Welles’s broadcast had as many as twelve million people **36** who feared that Martians had invaded Earth.

34

- A) NO CHANGE
- B) headline in the New York Times, declared
- C) headline, in the New York Times declared,
- D) headline, in the New York Times, declared

35

The writer wants to add a supporting detail to indicate that the story was widely reported. Which choice best accomplishes this goal?

- A) NO CHANGE
- B) Other newspapers also ran stories claiming that the broadcast incited mass hysteria.
- C) In 2013, many newspapers and magazines featured articles about the seventy-fifth anniversary of the broadcast.
- D) The Times was then and is now one of the United States’ most popular news sources.

36

- A) NO CHANGE
- B) that feared
- C) fearing
- D) to fear

Recently, however, scholars have questioned the accuracy of this legend, suggesting the degree of public hysteria has been grossly exaggerated. The authors of an article published in October 2013 go **37** so far to assign blame for the distortion to the newspaper industry. **38** At this time, Jefferson Pooley and Michael Socolow, both professors of communication studies, argue that the newspaper industry sought to discredit the newly emerging technology of radio, which was cutting into newspapers' **39** profits. The newspaper industry tried to do this by portraying the new medium as irresponsible.

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37

- A) NO CHANGE
- B) as far
- C) as far and
- D) so far as

38

- A) NO CHANGE
- B) On one hand,
- C) In the article,
- D) Next,

39

Which choice most effectively combines the sentences at the underlined portion?

- A) profits, which is what the newspaper industry tried to do when it portrayed
- B) profits, by which the newspaper industry portrayed
- C) profits and tried to do this by portraying
- D) profits, by portraying

[1] Proof of ulterior motives is scarce, **40** consequently weakening Pooley and Socolow's argument. [2] For instance, the C.E. Hooper ratings indicate that a mere 2 percent of households had tuned in to the broadcast. [3] Pooley and Socolow also call into question the validity of an oft-cited report that was based on a survey conducted six weeks after the broadcast. [4] Just because some people found the broadcast unsettling, the authors contend, doesn't mean they believed it and reacted with real terror. [5] According to this report, one million people indicated that they had been "frightened" by the broadcast. [6] Ratings, however, reveal that **41** far fewer than a million people had been listening to the broadcast. [7] Furthermore, Pooley and Socolow note that this survey "conflated being 'frightened,' 'disturbed,' or 'excited' by the program with being 'panicked.'" **42**

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40

Which choice best establishes the main idea of the paragraph?

- A) NO CHANGE
- B) but evidence does suggest that reports of panics have been overblown.
- C) yet Pooley and Socolow maintain that the newspaper industry intentionally distorted the story.
- D) making it difficult to determine what really happened in 1938.

41

- A) NO CHANGE
- B) many less than
- C) much less than
- D) much fewer than

42

To make the paragraph most logical, sentence 4 should be placed

- A) where it is now.
- B) after sentence 2.
- C) after sentence 5.
- D) after sentence 7.
- E) If you need the answers to the questions, please contact Wechat: satxbs123

Pooley and Socolow describe a more likely scenario: most people who heard the broadcast understood they were listening to a piece of fiction, but **43** some being influenced by the sensationalized news coverage afterward, later “remembered” being more afraid than they had been. The researchers also suggest that, **44** not unlike people who got caught up in the excitement of the story when reading about it in the newspaper, the American public may have been willing to believe the legend because of its appeal to the imagination.

43

- A) NO CHANGE
- B) some, they were
- C) some,
- D) some

44

Which choice most effectively signals the comparison the writer is making between the two groups mentioned?

- A) NO CHANGE
- B) unlike
- C) not like
- D) different from

**STOP****Congratulations! Careful Guy!****You've done it!**



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# High Definition SAT Test

**North America, October 2016**

**Essay Book**

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As you read the passage below, consider how Zadie Smith uses

- evidence, such as facts or examples, to support claims.
- reasoning to develop ideas and to connect claims and evidence.
- stylistic or persuasive elements, such as word choice or appeals to emotion, to add power to the ideas expressed.

**Adapted from Zadie Smith, “The North West London Blues”. ©The New York Review of Books.**

- 1 What kind of a problem is a library? It’s clear that for many people it is not a problem at all, only a kind of obsolescence. At the extreme pole of this view is the technocrat’s total faith: with every book in the world online, what need could there be for the physical reality? This kind of argument thinks of the library as a function rather than a plurality of individual spaces. But each library is a different kind of problem and “the Internet” is no more a solution for all of them than it is their universal death knell. Each morning I struggle to find a seat in the packed university library in which I write this, despite the fact every single student in here could be at home in front of their macbook browsing Google Books. And Kilburn Library—also run by Brent Council but situated, despite its name, in affluent Queen’s Park—is not only thriving but closed for refurbishment. Kensal Rise is being closed not because it is unpopular but because it is unprofitable, this despite the fact that the friends of Kensal Rise library are willing to run their library themselves (if All Souls College, Oxford, which owns the library, will let them.) Meanwhile it is hard not to conclude that Willesden Green is being mutilated not least because the members of the council see the opportunity for a sweet real estate deal.
- 2 All libraries have a different character and setting. Some are primarily for children or primarily for students, or the general public, primarily full of books or microfilms or digitized material or with a café in the basement or a market out front. Libraries are not failing “because they are libraries.” Neglected libraries get neglected, and this cycle, in time, provides the excuse to close them. Well-run libraries are filled with people because what a good library offers cannot be easily found elsewhere: an indoor public space in which you do not have to buy anything in order to stay.
- 3 In the modern state there are very few sites where this is possible. The only others that come readily to my mind require belief in an omnipotent creator as a condition for membership. It would seem the most obvious thing in the world to say that the reason why the market is not an efficient solution to libraries is because the market has no use for a library. But it seems we need, right now, to keep re-stating the obvious. There aren’t many institutions left that fit so precisely Keynes’s definition of things that no one else but the state is willing to take on. Nor can the experience of library life be recreated online. It’s not just a matter of free books. A library is a different kind of social reality (of the three dimensional kind), which by its very existence teaches a system of values beyond the fiscal.

- 4 I don't think the argument in favor of libraries is especially ideological or ethical. I would even agree with those who say it's not especially logical. I think for most people it's emotional. Not logos or ethos but pathos. This is not a denigration: emotion also has a place in public policy. We're humans, not robots. The people protesting the closing of Kensal Rise Library love that library. They were open to any solution on the left or on the right if it meant keeping their library open. They were ready to Big Society the hell out of that place. A library is one of those social goods that matter to people of many different political attitudes. All that the friends of Kensal Rise and Willesden Library and similar services throughout the country are saying is: these places are important to us. We get that money is tight, we understand that there is a hierarchy of needs, and that the French Market or a Mark Twain plaque are not hospital beds and classroom size. But they are still a significant part of our social reality, the only thing left on the high street that doesn't want either your soul or your wallet.
- 5 If the losses of private companies are to be socialized within already struggling communities the very least we can do is listen to people when they try to tell us where in the hierarchy of their needs things like public space, access to culture, and preservation of environment lie. "But I never use the damn things!" says Mr. Notmytaxes, under the line. Sir, I believe you. However, British libraries received over 300 million visits last year, and this despite the common neglect of the various councils that oversee them. In North West London people are even willing to form human chains in front of them. People have taken to writing long pieces in newspapers to "defend" them. Just saying the same thing over and over again. Defend our libraries. We like libraries. Can we keep our libraries? We need to talk about libraries. Pleading, like children. Is that really where we are?

Write an essay in which you explain how Zadie Smith builds an argument to persuade her audience that libraries are valuable to people and should be preserved. In your essay, analyze how Smith uses one or more of the features listed in the box above (or features of your own choice) to strengthen the logic and persuasiveness of her argument. Be sure that your analysis focuses on the most relevant features of the passage.

Your essay should not explain whether you agree with Smith's claims, but rather explain how she builds an argument to persuade her audience.

Sample essays are provided at Wechat: satxbs

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阅读

	Passage 1	Passage 2	Passage 3	Passage 4	Passage 5
1	D	11 D	22 C	32 D	42 C
2	A	12 A	23 A	33 B	43 D
3	A	13 A	24 D	34 C	44 D
4	B	14 D	25 C	35 B	45 C
5	D	15 D	26 A	36 B	46 A
6	B	16 C	27 C	37 C	47 C
7	C	17 D	28 B	38 A	48 A
8	B	18 B	29 C	39 C	49 A
9	D	19 D	30 D	40 A	50 B
10	D	20 C	31 B	41 A	51 D
		21 B			52 C

语法

	Passage 1	Passage 2	Passage 3	Passage 4
1	D	12 D	23 C	34 A
2	A	13 C	24 A	35 B
3	B	14 A	25 C	36 C
4	A	15 C	26 D	37 D
5	C	16 D	27 B	38 C
6	C	17 B	28 D	39 D
7	B	18 C	29 C	40 B
8	D	19 B	30 B	41 A
9	A	20 D	31 C	42 D
10	D	21 C	32 C	43 C
11	A	22 C	33 C	44 A



此答案为SAT小帮手参考答案，非官方标准答案，欢迎斧正。10.23更新