

Chapter 12 Practice Test 2

SECTION I: TEST OF READING

Directions: Each statement or passage in this test is followed by a question or questions based on its content. After reading a statement or passage, choose the best answer to each question from among the five choices given. Answer all questions following a statement or passage on the basis of what is stated or implied in that statement or passage. Be sure to mark all of your answers in the Reading Section of your answer document.

Note: Some passages contain numbered sentences, blank lines, or underlined words that are to be used for your reference in answering the questions that follow those passages.

Read the passage below. Then answer the three questions that follow.

One of the most daring deep-space missions NASA has ever planned is about to be launched. Deep Space 1, or DS1, will be unique for two reasons—its ion propulsion engine, and its self-navigation system. If DS1 goes well, it will become the model for a new generation of spacecraft.

DS1 is unique in the way in which it will get from place to place. DS1 will be pushed through space by an engine that works by ionizing electrons. Electrons will be fired into xenon gas, stripping the xenon elements of an electron and giving the atoms an electric charge—ionizing them. The ions are then accelerated through an electric field and emitted from thrusters at up to 65,000 m.p.h. This constant push will add 15–20 miles per hour daily to the spacecraft's speed. That will add up. Thanks to this process, the spacecraft requires about one-tenth the weight of fuel used in a conventional aircraft.

Possibly more innovative is the navigation system. The "brain" of the system will scan stars and asteroids to map its location, allowing it to know precisely where it is, and make any necessary adjustments. What would these innovations mean to an automobile? Well, imagine your car finding its own way from San Diego to New York, to a specific shopping mall, at only 300 miles per gallon!

- 1. Which one of the following statements would the author most likely agree with regarding NASA's opinion of the DS1 spacecraft?
 - A. NASA believes that the DS1 will eventually lead to cars that can drive themselves.
 - B. NASA believes that the DS1 spacecraft, if successful on its mission, will become the model for future space travel technology.
 - C. NASA will use DS1 until ion propulsion technology is too costly.
 - D. NASA believes that DS1 technology will be the leading pioneer in artificial intelligence.
 - E. NASA hopes that DS1 technology can be used for passenger trips to the moon.

- 2. The author puts the word "brain" in quotations in the third paragraph in order to:
 - A. imply that NASA has created a new type of intelligent being.
 - B. show how similar the navigation system is to a human brain.
 - C. indicate that the navigation system will make decisions, similar to decisions a human would make.
 - D. show that the system is incapable of any decision making without human influence.
 - E. state a belief that new aliens may be found by the DS1 spacecraft.

- 3. Which of the following techniques does the author use to help the reader better understand the DS1 system?
 - A. a technical breakdown of ion propulsion technology
 - B. a chart
 - C. a hypothetical story that describes the spacecraft
 - D. a metaphor that relates DS1 technology to a machine we know how to use
 - E. a parable

Read the passage below. Then answer the question that follows.

Millions of students taking out college loans just received more financial aid. Earlier this year, Congress passed legislation, retroactive to July 1, that lowered the interest rate on new, federally guaranteed student loans to 7.46% from the previous rate of 8.25%. Further, the legislation states that those with more than \$30,000 in debt may soon have an extra fifteen years to repay outstanding loans.

- 4. The passage answers all questions below EXCEPT:
 - A. What is the new interest rate for federal student loans?
 - B. Who is eligible to receive additional time to repay college debts?
 - C. When does the new loan program begin?
 - D. How much will a student who is \$30,000 in debt save as a result of the new laws?
 - E. What was the old interest rate for federal student loans?

Read the passage below. Then answer the three questions that follow.

I'm not much of a tennis player. Sure, I can go out and hack like any weekend warrior, but I don't need to be worried about new advances in equipment, or having the best technology. Yet, that's exactly what I have. Last week, I went out and purchased a new, oversized-head, titanium-based racquet. I may not be a good player, but boy, do I look good.

Apparently, I'm not alone. New racquet technologies have led to a number of advances in the past few years, and sales have exploded. New racquets feature larger heads, longer necks, and lighter body weight. All of this comes at a cost. New racquets range from \$175 to \$300. Of course, a player of my caliber probably doesn't need to purchase such a racquet, but then again, isn't it cool to tell a fellow competitor you are playing with PX2 technology (whatever that is!)?

My local tennis pro, someone who could actually use this technology, claims that the new racquets will help all players. The larger racquet size allows greater court coverage, and more power and stability. Lighter weight racquets are easier to move around; however, that comes with the risk of less control of the ball coming off the racquet. In the end, though, I didn't make my decision based on lighter weight versus string control versus a larger racquet head. I made my decision based on the racquet that sounded the most intimidating!

- 5. The author uses the phrase "weekend warrior" to describe himself as:
 - A. a top-flight athlete.
 - B. a recreational player.
 - C. a temperamental competitor.
 - D. a tennis professional.
 - E. a racquet manufacturer.
- 6. The author's main point of the passage is:
 - A Advances in technology have harmed the tradition of tennis.
 - B. Oversized racquets provide more reach for players.
 - C. Only professional athletes should be concerned about new advances in racquet technology.
 - D. Looking good is more important than playing well.
 - E. Although some players may not need new tennis racquets, they may enjoy having the best equipment.

- 7. An appropriate title for this passage is:
 - A. The History of Tennis Racquets
 - B. New Tennis Technologies: I Don't Need Them, but I Like Them
 - C. Impact of Oversized Racquets on Tennis Serves
 - D. Technology in Sports
 - E. One Man's Tennis Journey

Read the passage below. Then answer the five questions that follow.

Forced to hunt for new prey, killer whales are devastating sea otter territory off the Alaskan coast, disrupting the food chain and setting off an ecological cascade. The whales have created damage with such alarming efficiency that a vast ecosystem now seems to be at risk of collapse.

The problem began when fish stocks started to decline in the Bering Sea, probably as a result of commercial fishing, or changes in the ocean currents and temperatures. Because of this lack of food, seals and sea lions are thinning out, losing some of their insulating blubber. Killer whales, therefore, aren't getting the same diet from seals and sea lions as they used to, forcing them to feed on sea otters. The otter populations have collapsed, allowing their prey, sea urchins, to multiply out of control. Sea urchins have now begun to devour the kelp forests on the ocean floor at an alarming rate. The kelp forests are crucial to a number of habitats.

- 8. Otter populations have declined off the Alaskan coast primarily because:
 - A. Sea urchins are multiplying at record rates.
 - B. The kelp forests are being destroyed.
 - C. Whales have been forced to search for additional food in their diets.
 - D. Commercial fishing is killing otters.
 - E. Global warming is making the otter population sick.
- 9. This passage would most likely appear in:
 - A. a newspaper article.
 - B. the journal of marine biology.
 - C. an editorial.
 - D. a biology textbook.
 - E. a doctoral thesis.

- 10. Which of the following best outlines the structure of the passage?
 - A. A statement is made, then supported through an example.
 - B. A theory is stated, and the steps leading up to that theory are then explained.
 - C. A question is raised, then answered.
 - D. An experiment is stated, followed by the conclusion of the experiment.
 - E. An argument is stated, then refuted.
- 11. Which of the following is the best definition

for the author's use of "cascade"?

- A. a waterfall
- B. an arrangement
- C. a chain of events
- D. a fabric
- E. a tool

- 12. The main point of the passage is:
 - A. Sea lions and seals are losing weight.
 - B. Global warming is hurting the sea otter population.
 - C. The ecosystem is changing.
 - D. The ocean floor is being eaten up at an alarming rate.
 - E. The otter population in northern Alaska is suffering as a result of new attacks by killer whales.

Read the passage below. Then answer the question that follows.

It simply isn't fair that big banks continue to charge user fees for customers using "foreign" ATMs. Now, in addition to being charged for using a machine that does not belong to your bank, you must pay an additional fee to the institution that owns the machine.

_____. At least those institutions understand how much I dislike all these extra charges.

- 13. Which of the following sentences, inserted into the line above, would best complete the meaning of the passage?
 - A. While small banks can't offer as many services, they do offer checking without ATM fees.
 - B. Sometimes, calling a customer service manager will help you eliminate the charges.
 - C. Congress has considered making these user transactions illegal.
 - D. Banks just make me so angry.
 - E. If we all boycott banks that include these charges, they will be forced to change their practices.

Read the passage below. Then answer the four questions that follow.

1) Tom Purcell, twenty-nine, leaves his job on Wednesday nights at 6 P.M. to go back to school. 2) Even with a bachelor's degree in biology, and a master's degree in computer science, Tom still felt he needed to go back to school to further his career. 3) His company agreed, and will be paying the \$2,000 per semester tuition.

4) Tom's story is not unique. 5) More and more, Americans are returning to school for quick, practical courses that allow them to keep up with the competition, and rapid changes in technology and business. 6) The rush to these type of "quickie" courses does not mean that graduate degrees are no longer popular. 7) Instead, these courses are used to supplement any employee's education. 8) There is no longer a natural end to when one should complete his or her education. 9) Further, these new courses allow working individuals to learn and work at the same time, eliminating the difficult decision of whether or not to go back to school full time.

10) The "classroom" is changing as well. 11) More and more, companies are customizing courses for their employees in conjunction with major universities. 12) Classes are held at the workplace, and the curriculum is determined jointly by both leading professors from the university and company administrators. 13) Together, a curriculum is created that provides new information relevant to the workplace. 14) Clearly, adult education has never been better.

- 14. Which of the following sentences represents an opinion of the author rather than a fact?
 - A. 3
 - **B**. 11
 - C. 12
 - D. 13
 - E. 14

- 15. Which of the following provides the best outline for the passage?
 - A. A topic is introduced, then supported by examples.
 - B. An example is given, followed by counterarguments against the example.
 - C. A specific story is told, followed by general explanations.
 - D. A general story is told, followed by specific explanations.
 - E. A theory is tested, then refuted, and another theory is created.

- 16. Which of the following statements would the author most likely support?
 - A. Only professional scholars should develop course curricula.
 - B. Continuing education in the workplace allows employees more flexibility than traditional postgraduate classes.
 - C. Education ends after any postgraduate degrees are completed.
 - D. Companies allow employees to take additional courses strictly to keep them at their current jobs longer.
 - E. Adult education is on the decline.

- 17. The passage implies that many companies are supporting employees decisions to go back to school because:
 - A. Companies feel continued education will benefit their employees.
 - B. Companies fear losing employees to other companies that provide additional training.
 - C. Companies need to use federal education grants before they expire.
 - D. Companies feel this is the only way to stay on top of new technological advancements.
 - E. Companies prefer to control the curricula of their employees' classes.

Read the index below. Then answer the two questions that follow.

Experiments	
Double-blind experiment Experiment basics	734 753–765
Models Observation experiments Screening experiments	741–750 784–785 751–752
Two-factor experiment 2K experiment	751–752 768–780 781–783
*	

- 18. On what pages would you find information about the ways to study and calculate experiments?
 - A. 734
 - B. 753–765
 - C. 784–785
 - D. 751–752
 - E. 781–783

- 19. Which of the following best describes the primary organizational pattern used in the section of the book dealing with experiments?
 - A. alphabetical
 - B. chronological
 - C. from easiest to hardest
 - D. by type of experiment
 - E. by invention

Read the passage below. Then answer the three questions that follow.

Stung by broken industry promises, farmers are livid at massive crop failure and crop damage using "genetically superior" seeds. In the American southeast, growers who used genetically manipulated cotton seeds suffered some of the worst crop failure ever. Farmers' organizations around the world are linking up to stop genetically engineered seeds from being introduced.

- 20. Which of the following, if true, would weaken the farmers' claim that genetic seeds are to blame for their poor crop production?
 - A. The seeds were only tried for one season, which had poor weather conditions.
 - B. The growers of the American northwest experienced the same type of problems with genetic seeds.
 - C. Cotton seeds are regarded as the best type of genetic seed.
 - D. Growers in the Southwest were pleased with genetic seeds in tomato and corn production.
 - E. Genetically engineered seeds are endorsed by the government.
- 21. From the passage, it can be assumed that:
 - A. Currently, the greatest concern for farmers in the American southeast is the problem with genetically engineered seeds.
 - B. The previous belief was that genetically engineered seeds would be successful in crop production.
 - C. Farmers have strong lobbying influences at the national level.
 - D. Genetically engineered seeds are the future of cotton farming.
 - E. Genetically engineered seeds are currently in use throughout all of the United States.

- 22. The author's use of the words "linking up" is best defined as:
 - A. attaching.
 - B. collaborating.
 - C. molding.
 - D. building.
 - E. connecting.

Read the passage below. Then answer the four questions that follow.

Geneticist Edward Fugger and his colleagues at Genetics and IVF Institute have created a recent breakthrough that will allow parents to choose the sex of their future child. The process involves using a method to stain sperm with fluorescent dye. Female producing sperm, which carry more genetic material than male producing sperm, will glow more brightly. A machine can be used to automatically sort brighter sperm from dimmer ones. So far, the procedure has worked. Of 14 pregnancies involving couples who wanted girls, 13 produced females.

This novel approach to baby making does pose a number of ethical questions. While few argue against gender selection in order to avoid sex-linked genetic diseases, many people are concerned about using this technology more casually. Some families may choose to have a child to balance out families, or simply because some parents have gender preferences. Could such choices eventually lead to an imbalanced sex ratio?

- 23. Which of the following best summarizes the overall meaning of the passage?
 - A. IVF has created a successful new fertility drug.
 - B. An imbalanced sex ratio may be a result of allowing parents to choose the sex of their children.
 - C. It now may be possible to avoid creating children with known sex-linked genetic defects.
 - D. New methods in science may allow for parents to choose the sex of their children, which could lead to many ethical concerns.
 - E. Fluorescent dye helps to identify different types of sperm.

- 24. Which of the following best outlines the structure of the passage?
 - A. I. Statement
 - II. Facts
 - III. Quotations
 - B. I. Theory
 - II. Examples
 - C. I. Research
 - II. Implications
 - D. I. Question
 - II. Answer
 - E. I. Quote
 - II. Thesis
 - III. Examples

- 25. Which of the following provides the best definition for the author's use of the word "breakthrough"?
 - A. insight
 - B. division
 - C. crack
 - D. law
 - E. promotion

- 26. Which of the following sentences, when inserted into the blank above, would best complete the meaning of the passage?
 - A. The best solution is to let the government set a policy.
 - B. Regardless, this technology should become available to the common household in the very near future.
 - C. Not in my opinion, because a perfect family has one boy and one girl.
 - D. Before this technology becomes common, we need to take a long look at the possible societal and moral implications of selecting a child's sex.
 - E. I guess we'll have to wait and see.

Read the passage below. Then answer the five questions that follow.

"Top-100" lists have been popular for years, and I assume that they will continue to be for decades. For some reason, everyone seems to be making a list—everything from the top movies, to the top rock albums, to the top cartoon shows.

What most people don't realize is that these lists really tend to be nothing more than publicity stunts. The local bookstore lists its "Top-100" books? Wow, what a great way to boost sales of 100 books within the store! The president of that bookstore acknowledges that fact, expressing the list as "a way to bring attention to some of the country's most important books." Further, who are these so-called "experts" that create these lists? I'm concerned about people viewing these lists as facts, not subjective opinions from a group of scholars.

Nonetheless, we play along, and I must concede that at times it can be quite fun, if not sophomoric. As I'm writing this, I can overhear two colleagues debating about their favorite movies. We all have our lists, and its fun to compare and contrast (of course, mine are truly the best). It's even more fun to point out what is wrong with other, more "professional" lists.

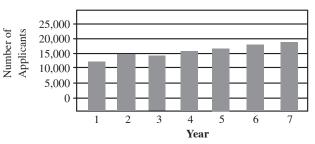
- 27. What would be an appropriate title for the passage?
 - A. Top-100 Lists—Fun For Us All
 - B. What's Our Obsession with Rankings?
 - C. Top-100 Lists—Academic Merit, or Shameless Promotion?
 - D. New Promotional Methods in Bookstores
 - E. Why I Love Rankings
- 28. The author's tone can be best described as:
 - A. somewhat angry.
 - B. incredibly elated.
 - C. seriously concerned.
 - D. playfully sarcastic.
 - E. deeply despairing.

- 29. Which of the following, if inserted into the blank, would best complete the meaning of the second paragraph?
 - A. There are no correct answers to these lists, just the opinions of those lucky enough to have a vote.
 - B. Scholars would have come up with a very different list of the "Top-100" books.
 - C. Scholars are better informed than you or me to determine what books or movies belong on these lists.
 - D. Your favorite book is probably different than my favorite book.
 - E. Those who do not agree with the lists probably received a different education than the authors of the lists.

- 30. Which of the following statements below would the author most likely support?
 - A. A vote should determine which people get to participate in the creation of these lists.
 - B. Stores should continue to promote these lists as a way to generate additional income.
 - C. Top-100 lists should no longer be created.
 - D. One positive thing about Top-100 lists is that they often generate debates among friends and workers.
 - E. A nonprofit organization should be created to generate more Top-100 lists.
- 31. The author feels the primary reason companies create "Top-100" lists is to:
 - A. invite debate to challenge previously held beliefs about what is good and what is not.
 - B. reward the scholars who spend time and energy reviewing books and movies.
 - C. provide a way to increase interest in a field, thereby increasing sales in that field.
 - D. create a list that will be reviewed later in history.
 - E. encourage employees to come up with their own lists.

Look at the graph below. Then answer the question that follows.





- 32. Which of the following can be concluded from the chart above?
 - A. the number of spaces available at School ABC
 - B. an approximate number of applicants to ABC from Year 1 to Year 7
 - C. the percentage of males applying to ABC
 - D. the percentage of females applying to ABC
 - E. which year "Year 7" represents

Read the passage below. Then answer the three questions that follow.

Judith Harris has written a new controversial book called *The Nurture Assumption*. Although it has been out for only one month, it has already been provoking passionate debate among scientists and therapists because it argues that parents make only a single, lasting contribution to their children's future—their genes. Judith argues that peer groups, not parents, determine the sort of people children will become. Her conclusions are based on her analysis of scientific research, especially with twins. Identical twins raised in the same home are no more alike than those raised apart. And two children adopted by the same parents turn out no more alike than a duo raised separately.

Harris' implications are profound. Does this mean that a parent's love and affection doesn't matter? Harris, a grandmother and writer of psychology textbooks, without any academic affiliations or a Ph.D., claims that "good parents sometimes have bad kids." Child development experts tend to disagree. It looks as if *The Nurture Assumption* will be the focus of great debate in psychology.

- 33. In which publication would this passage most likely appear?
 - A. a book review publication
 - B. a psychology journal
 - C. a child development textbook
 - D. an editorial page
 - E. a parenting book
- 34. Which one of the following statements would Judith Harris most likely support?
 - A. It is okay to ignore your children, because your actions will not affect them.
 - B. In order to be an expert in child development theory, one must have a Ph.D. and post-doctorate research.
 - C. Peer influence is the primary determinate of how a child will develop.
 - D. Parents who spend more time with their children are more likely to raise better kids.
 - E. Development during the first two years of a child's life plays a crucial role in determining their future success.

- 35. Which of the following best describes the main point of the passage?
 - A. Parents do not have an influence on their children's behavior.
 - B. Judith Harris' book is selling well.
 - C. Judith Harris' book contains new theories about parental influence on children that will likely spark much debate in child psychology.
 - D. Judith Harris is not affiliated with an academic institution.
 - E. Twins are the best indicators of measuring the influence parents have on children.

Read the passage below. Then answer the question that follows.

Many pregnant women avoid eating fish due to mercury levels found in many common freshwater and saltwater fish. Doctors recently concluded a study of 720 pregnant women who ate saltwater fish as often as 12 times per week, which found no evidence of harm to mothers or their children up to age five.

- 36. Which of the following best describes the results of the study described in the passage above?
 - A. Consuming up to 12 servings of fish per week is safe for pregnant mothers.
 - B. Freshwater fish contain more mercury than saltwater fish.
 - C. Pregnant women who consume saltwater fish have not shown any problems associated with mercury intake during pregnancy, nor have their children.
 - D. Children who consume saltwater fish are in danger of mercury poisoning.
 - E. Children are in danger of contracting certain diseases later in life if their mothers ate saltwater fish while pregnant.

Read the passage below. Then answer the three questions that follow.

In California, countless radio and television ads that oppose Proposition 200 are appearing. From the way the campaign sounds, it seems as if many small local groups are opposed to Proposition 200. Yet a closer look reveals a disturbing trend in political advertising. Large utility companies, who figure to suffer the most if Prop. 200 passes, have carefully crafted a misleading message designed to sap the Prop. 200 effort. The opponents of the measure, the ads proclaim, are small, grassroots consumer and environmental groups—the little guys who really care about utility regulation and its impacts on our community. What the ads don't tell you is that many of the groups and individuals that claim to be against Prop. 200 are actually on the payroll of these large utility companies. More careful research needs to be done to find out exactly who is and who is not funding these initiatives. If "Citizens against Prop. 200" is just a front for the big utility companies who are afraid the proposition will pass, the public will continue to be misled.

- 37. Which of the following best describes the main point of the passage?
 - A. Prop. 200 should not be approved.
 - B. Utility deregulation is a complex initiative.
 - C. Advertising plays a key role in determining the outcome of state propositions.
 - D. "Citizens against Prop. 200" include big businesses.
 - E. Advertisements and groups opposing Prop. 200 have misled the public by implying that a grassroots effort is the force behind Prop. 200 opposition.
- 38. Which of the following assumptions can be made about the author's position toward Prop. 200?
 - A. The author is in support of the proposition.
 - B. The author is opposed to the proposition.
 - C. The author supports utility deregulation.
 - D. The advertising practices of those opposed to Prop. 200 are of greater concern than the wording of the bill.
 - E. The author will vote for Prop. 200 to show his anger toward the advertisements against Prop. 200.

- 39. The author uses the word "sap" in the passage above to mean:
 - A. weaken.
 - B. strengthen.
 - C. lengthen.
 - D. underline.
 - E. postpone.

Read the passage below. Then answer the four questions that follow.

A toy magazine recently promoted "Reference Boy" as the new interactive toy of the year. Like many other blockbuster hits of the last five years, Reference Boy's rise to fame provides evidence that children don't decide what is popular for the holidays. That decision is predetermined by toy executives looking for the next "must-have" product. Buying a popular toy has become a status symbol for parents, sometimes resulting in chaotic shopping conditions. Last year, demand for the popular Young Mike Action Figure was so great that parents resorted to nothing short of guerilla tactics to secure the popular toy for their son or daughter. Limited supplies pushed the market value of the toy as much as twenty times over the list price.

It appears the hype for these toys will come to a quick end. Today, you can walk into any store and purchase dozens of Young Mike Action Figures, at retail cost. Those parents who previously paid up to \$400 for one Young Mike last holiday season would be lucky to resell it today for \$10.

As the hype for the "cool" toys continues, toy makers are using it to their advantage, and profit. The Reference Boy release didn't hit store shelves quietly—after an appearance on a network morning show, and an afternoon talk show, the rush began. Toy company executives are planning product releases similar in glitz and glamour to movie or album releases. If the trend continues, toy executives may see record profits this holiday season. Toy executives hope the economy will stay strong.

- 40. Which of the following best describes the overall summary of the passage?
 - A. Popular toys are more the result of parental and company influence than children's opinions about the toys.
 - B. Product releases are the new trend in toy promotion.
 - C. Toys may sharply decrease in value, even after a record year of profits and high demand.
 - D. If a toy is mentioned on a network sales will increase immediately.
 - E. Reference Boy is the hot new toy for this holiday season.

- 41. According to the passage, why are toy executives planning large-scale product releases?
 - A. Sales are always greatest at a large product release party.
 - B. Large-scale exposure of certain toys has recently meant an immediate explosion in sales.
 - C. Toys should be able to compete financially against music and books.
 - D. Executives want to promote the toys show, for a very limited period of time.
 - E. Executives hope these product releases will keep demand for a product high for several years.

- 42. Which of the following sentences is least relevant in the third paragraph?
 - A. sentence 1
 - B. sentence 2
 - C. sentence 3
 - D. sentence 4
 - E. sentence 5
- 43. Which of the following statements would the author most likely support?
 - A. The toy market cannot sustain itself at its recent rate of growth.
 - B. Children must be asked which toys they enjoy before parents determine which toys are "cool."
 - C. Lately, "cool" toys seem to affect parents as much as, or more than, children.
 - D. Reference Boy will not be popular next fall.
 - E. For many years, the toy industry has quietly promoted its products, and for long term growth, it should not deviate from that formula.

Read the table of contents below. Then answer the two questions that follow.

Getting Around San Franc	eisco:
Bus:	67
Car and motorcycle:	68
Taxi:	72
Bicycle:	74
Ferry:	78
Walking:	80
Organized tours:	81

- 44. On what page would you look to find information on how to get from the airport to a hotel by cab?
 - A. 67
 - B. 68
 - C. 72
 - D. 74
 - E. 78
- 45. Which of the following best describes the way in which this table of contents is organized?
 - A. alphabetically
 - B. by cost
 - C. by time
 - D. by category
 - E. by age

Read the passage below. Then answer the three questions that follow.

It's hard to learn to play catch. In the beginning, you use your arms to cradle the ball against your chest; then you use both hands; then one. Soon, you're an expert. You're running down fly balls with ease, and firing throws across your body. I'm not sure if you ever become an expert on parenting.

A game of catch is an essential gesture of parenthood, too, I believe, when families are working well. Everyone tosses to be understood. The best part of the game is the silence. I enjoy playing catch with my son. Just like catch, our relationship is one that moves back and forth. I take what I can get from my son, and he takes what he can get (or get away with) from me. We make compromises and adjustments when we are able to, but for the most part things come and go, back and forth, just like a ball when we're sharing a nice day of playing catch.

- 46. Which of the following sentences, if inserted into the blank above, would best complete the meaning of the first paragraph?
 - A. Parenting can never be perfected.
 - B. Like playing catch, parenting is hard to learn.
 - C. Just as I have become more comfortable playing catch, I have become more comfortable being a father.
 - D. Few ballplayers are both great athletes and great fathers.
 - E. My son is great at playing catch.
- 47. Which literary technique does the author use to describe his relationship with his son?
 - A. alliteration
 - B. a metaphor
 - C. a parable
 - D. a myth
 - E. a fable

- 48. The author's tone is best described as:
 - A. reflective.
 - B. remorseful.
 - C. forgiving.
 - D. proud.
 - E. temperamental.

Read the passage below. Then answer the two questions that follow.

- 49. Which of the following best summarizes the main point of the passage?
 - A. Teachers deserve tenure due to their hard work for low salaries.
 - B. Florida is changing their policies regarding teacher dismissal.
 - C. There is a debate among teachers about being tenured after only three years.
 - D. Most current teacher termination procedures involve many steps, and extend for months, even years.
 - E. Teachers' unions are concerned about wrongful terminations of teachers who have done nothing wrong.

- 50. Which of the following phrases, if inserted into the blank above, would best complete the meaning of the passage?
 - A. Teachers should be given every benefit of the doubt before termination.
 - B. Firing procedures need to allow more time for appeals.
 - C. If teachers aren't fired, there should be a law that protects them from having to go through termination procedures again.
 - D. A swift procedure will ensure equality for all.
 - E. When they are necessary, it is important that bottlenecks do not slow down the process.

SECTION II: TEST OF MATHEMATICS

Directions: Each of the questions in this test is followed by five suggested answers. Select the best answer in each case. Be sure to mark all of your answers in the Mathematics Section of your answer document.

- 1. What is the difference between 2.5 and .167?
 - A. .83
 - B. 2
 - C. 2.333
 - D. 2.667
 - E 4.17
- 2. Nancy and May played volleyball for 63 hours in June, and for 89 hours in July. How many more hours did they play in July than in June?
 - A. 6 hours
 - B. 16 hours
 - C. 26 hours
 - D. 63 hours
 - E. 89 hours

- 3. What number could be added to the following set of data so that the median and mode of the set are equal?
 - 42, 36, 59, 23, 61, 30, 75
 A. 42
 B. 36
 C. 33
 D. 23
 - E. 10

Read the information below and then answer the question that follows.

Christopher is preparing a nursery that requires a variety of potting soil. He purchases 27 3/4 pounds of Desert soil and 8 5/6 pounds of Garden soil.

4. What is the total amount of soil purchased?

A.
$$39 \frac{5}{12}$$
 pounds
B. $36 \frac{7}{12}$ pounds
C. $35 \frac{7}{12}$ pounds
D. $35 \frac{5}{12}$ pounds

- 5. In his sociology class, Adam took three tests. He scored a 78 on his first test, and a 90 on his second test. If Adam had an average of 81 in his class, what did Adam score on his third test?
 - A. 75
 - B. 81
 - C. 83
 - D. 90
 - E. 243
- 6. Frank is going to buy turkey sandwiches for his employees. A sandwich costs \$3.25, and each topping or condiment costs an extra \$.25. Each order of cheese costs an extra \$.50. Here is the list of what Frank will buy:

2 sandwiches without cheese, with 2 condiments each 2 sandwiches with cheese, with 1 condiment each

Assuming no tax, what is the total cost of the sandwiches?

- A. \$14.75
- B. \$15.00
- C. \$15.50
- D. \$16.00
- E. \$16.50

- 7. What is the best estimate of 50 + 49 + 48 + 47 + 46 + 45 + 44 + 43 + 42 + 41 + 40?
 - A. 550
 - B. 500
 - C. 450
 - D. 400
 - E. 300

Monica drives to several different students' homes every day for tutoring. During the first full week in September, her daily mileage ranges from a low of 36 miles to a high of 102 miles.

- 8. From the preceding information, which of the following must be true regarding Monica's average daily mileage for the week?
 - A. Her average for all 7 days is between 36 and 102 miles.
 - B. Her average for all 7 days is 69 miles.
 - C. Her average for all 7 days is greater than 69 miles.
 - D. Her average for all 7 days is lower than 69 miles.
 - E. Her average for all 7 days is any number between 0 and 100 miles.

- 9. Multiplying a number by $\frac{3}{4}$ is the same as dividing that number by
 - A. $\frac{9}{16}$
 - B. $\frac{3}{4}$
 - C. 1
 - D. $\frac{4}{3}$
 - E. 4

Use the chart and information given below to answer the question that follows.

InterTech Employee Roster		
Department	Total	
Engineering	64	
Marketing	123	
Product Design	56	

As an employee is preparing the employment roster above, she notices that her own department, Human Resources, has not been included in the report. She also knows that there are a total of 282 employees in these four departments.

- 10. Based on the chart above and the given information, what is the accurate number of Human Resources employees at InterTech?
 - A. 19
 - B. 27
 - C. 39
 - D. 87
 - E. 282
- 11. At a school supplies store, the price of a blackboard is reduced from \$70.00 to \$56.00. By what percent is the price of the blackboard decreased?
 - A. 10%
 - B. 14%
 - C. 20%
 - D. 56%
 - E. 86%

- 12. At his office, Adam did a survey on what his employees wanted for lunch, sandwiches or pizza. Adam received 34 more votes for pizza than sandwiches. If Adam received a total of 76 votes, how many votes did he receive for sandwiches?
 - A. 21 votes
 - B. 40 votes
 - C. 42 votes
 - D. 84 votes
 - E. 110 votes
- 13. The price of a dress is \$120.00. If during a sale the price is marked down 15%, what is the new price of the dress?
 - A. \$18.00
 - B. \$90.00
 - C. \$102.00
 - D. \$105.00
 - E. \$135.00

- 14. What is the value of 654,322 rounded to the nearest thousand?
 - A. 654,000
 - B. 654,300
 - C. 654,400
 - D. 655,000
 - E. 655,300
- 15. Mike and Julie collect pictures. They want to place all of their pictures into photo albums. If Mike and Julie own 412 pictures, and each album holds a maximum of 34 pictures, what is the minimum number of photo albums Mike and Julie must purchase so that every picture is contained in a photo album?
 - A. 11 albums
 - B. 12 albums
 - C. 13 albums
 - D. 20 albums
 - E. 34 albums

Questions 16 and 17. Use the information below to answer the questions that follow.

Chris, Fiona, and Rich are at a baseball game.

They ate a total of 7 hot dogs, 3 bags of peanuts, and 4 soft drinks.

Rich ate more hot dogs than Chris.

Fiona ate 1 bag of peanuts and 1 hot dog.

Hot dogs cost \$.75 more than peanuts, but less than soft drinks.

- 16. Which of the following facts can be determined from the information given above?
 - A. who ate the most hot dogs
 - B. how many bags of peanuts Rich ate
 - C. the total cost of all the food
 - D. the cost of a hot dog
 - E. the number of soft drinks Chris drank
- 17. If peanuts cost \$.50, what is one possible total for the cost of the peanuts, hot dogs, and soft drinks eaten by Rich, Chris, and Fiona?
 - A. \$10.25
 - B. \$11.75
 - C. \$13.25
 - D. \$15.25
 - E. \$16.50

- 18. In a recent store promotion, customers received three game stamps for every purchase of a large drink. If Rick has collected sixty game stamps, how many large drinks has he purchased?
 - A. 3
 - B. 18
 - C. 20
 - D. 26
 - E. 57

A.

B.

C.

D.

E.

3.5

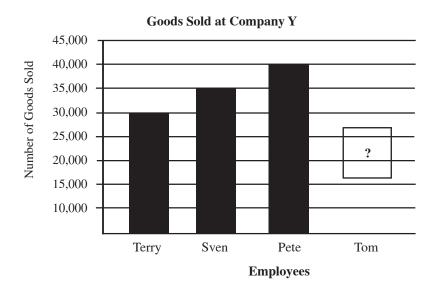
9.2

15.8

20.3

- 19. Joe needs to add the fractions $\frac{1}{2}$, $\frac{3}{4}$, and $\frac{2}{5}$. Which of the following methods should Joe use to add these fractions most efficiently?
 - Use the "subtract from one" technique. A.
 - Multiply the denominators. B.
 - C. Use a common denominator of 10.
 - D. Use a common denominator of 40.
 - E. Use a common denominator of 20.
- 20. What is the best estimate of the following expression:

$$\frac{(282.4) \times (11.85) \times (9.2)}{(3.11) \times (70.35) \times (8.827)}$$
3.5
9.2
15.8
20.3
70.35



- 21. In order for the total amount of goods sold to equal 150,000, how many goods were sold by Tom?
 - A. 30,000
 - B. 35,000
 - C. 40,000
 - D. 45,000
 - E. 47,000
- 22. 10y 36 + 4y 6 + y = 3. What is the value of *y*?
 - A. 3
 - B. 4
 - C. 6
 - D. 10
 - E. 36

- 23. The value $\frac{3}{8}$ falls between which of the following pairs of percents?
 - A. 15% and 20%
 - B. 25% and 30%
 - C. 35% and 40%
 - D. 45% and 50%
 - E. 55% and 60%
- 24. If the value of *x* is between -.345 and .008, which of the following could be the value of *x*?
 - A. -1.1
 - В. –.45
 - С. –.08
 - D. .08
 - E. .345
- 25. Rick, Marty, and Ben all own baseball cards. There are a total of 3,500 cards between them. If Marty owns 70% of the baseball cards, how many cards does Marty have?
 - A. 1,050 cards
 - B. 1,225 cards
 - C. 2,450 cards
 - D. 2,800 cards
 - E. 3,430 cards

- 26. Oliver is building a fence around his yard. When finished, the fence will be 170 feet long. For five days straight, Oliver builds 25 feet of the fence each day. After these five days, how much is left for Oliver to build?
 - A. 25 feet
 - B. 45 feet
 - C. 50 feet
 - D. 65 feet
 - E. 70 feet
- 27. James wants to send 300 thank-you cards. He can write 12 per day. If he begins February 1, when would he expect to be finished?
 - A. February 12
 - B. February 13
 - C. February 25
 - D. February 26
 - E. March 12

Use the following chart to help answer Question 28.

Student	Questions Answered Correctly	Percentile Score	Stanine Score
Kristen	32	52%	5
Jen		44%	
Debbie		82%	
Amy	37		6

- 28. Place the order of students' scores from lowest to highest:
 - A. Amy, Kristen, Debbie, Jen
 - B. Kristen, Debbie, Amy, Jen
 - C. Jen, Kristen, Debbie, Amy
 - D. Debbie, Kristen, Amy, Jen
 - E. Debbie, Amy, Jen, Kristen
- 29. Arash walked 485 yards from class to the cafeteria. How many feet did Arash walk?
 - A. 40 feet
 - B. 161 feet
 - C. 1455 feet
 - D. 2100 feet
 - E. 5820 feet

- 30. During Johnna's freshman year of college, she attended class for 3 hours each day. If there are 165 days of class, how many hours of class did Johnna attend?
 - A. 325 hours
 - B. 348 hours
 - C. 425 hours
 - D. 468 hours
 - E. 495 hours
- 31. At a high school, 2 out of every 5 students go to Butterick College. If there are 240 students, how many are expected to go to Butterick College?
 - A. 24 students
 - B. 96 students
 - C. 120 students
 - D. 144 students
 - E. 180 students

Use the table given below to answer the question that follows.

SupplyMart Price List		
Ream of paper	\$ 2.00	
Box of crayons	\$ 3.45	
Dry erase marker	\$.65	

- 32. A teacher purchased the following: 2 dozen reams of paper, 17 boxes of crayons, and 33 dry erase markers. Which answer represents this purchase?
 - A. 24(\$2.00) + 17(\$.65) + 33(\$3.45)
 - B. 2(\$2.00) + 17(\$.65) + 33(\$3.45)
 - C. (24 + 17 + 33) + (\$2.00 + \$.65 + \$3.45)
 - D. $(2 \times 12) + $2.00 + 17($3.45) + 33($.65)$
 - E. 24(\$2.00) + 33(\$.65) + 17(\$3.45)
- 33. What percent of 20 is 5?
 - A. 1%
 - B. 5%
 - C. 25%
 - D. 40%
 - E. 75%

- 34. A designer dress is discounted 15% to \$425. Which of the following equations could be used to determine its original price, p?
 - A. .85*p* = \$425
 - B. .85p + .15p = \$425
 - C. p = \$425 + .15
 - D. .15*p* = \$425
 - E. p = \$425 .15
- 35. In 1996, the total number of CDs sold at Brandt's record store was 250,000. In 1997, that number rose to 300,000. What was the percent increase in the number of CDs Brandt's record store sold?
 - A. 17%
 - B. 20%
 - C. 50%
 - D. 75%
 - E. 105%
- 36. Which of the following numbers is smallest?
 - A. .25
 - B. .0088
 - C. $\frac{1}{8}$
 - D. .0067
 - E. .111

- 37. The school board is proposing a 5% increase in the number of students per classroom. Currently, there are 20 students per class. How many students would there be per class with the proposed increase?
 - A. 21
 - B. 22
 - C. 23
 - D. 24
 - E. 25

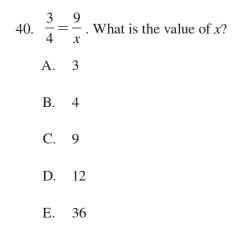
Use the figure below to answer the question that follows.

38. Which answer best represents the shaded part of the box shown above?

A.
$$\frac{3}{4}$$

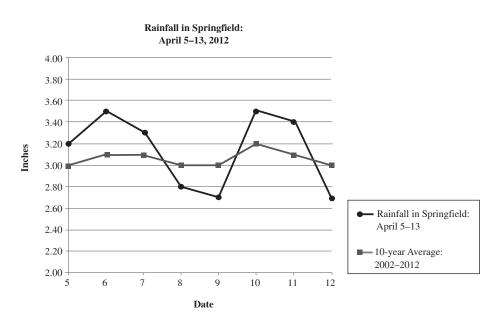
B. $\frac{2}{3}$
C. $\frac{2}{5}$
D. $\frac{1}{3}$
E. $\frac{1}{4}$

- 39. There are 120 books in Ms. Wilson's classroom library. If $\frac{1}{3}$ of the books are nonfiction, and $\frac{3}{8}$ of the nonfiction books are about animals, how many nonfiction books in the library are about animals?
 - A. 45
 - B. 40
 - C. 25
 - D. 15
 - E. 5



- 41. In her biology class, Brooke took seven tests. On her first six tests, Brooke received test scores of 90, 88, 87, 92, 85, and 92. If her total on seven tests was 612, what did she score on her seventh test?
 - A. 78
 - B. 85
 - C. 88
 - D. 90
 - E. 92

Use the graph below to answer the two questions that follow.



- 42. Of the eight days shown, on approximately what percent of the days did the rainfall exceed the 10-year average rainfall?
 - A. 12%
 - B. 25%
 - C. 38%
 - D. 63%
 - E. 75%

- 43. Between which two dates shown did the greatest decrease in rainfall occur?
 - A. April 5-6
 - B. April 6-7
 - C. April 7-8
 - D. April 9-10
 - E. April 11-12
- 44. How many boxes are needed to hold 52 cupcakes if each box holds 12 cupcakes?

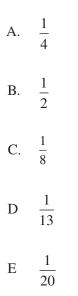
A.
$$3\frac{1}{3}$$

B. 4
C. $4\frac{1}{3}$
D. 5

E. $5\frac{1}{3}$

- 45. On a recent test, Steve got 60% of the questions correct. Stephanie got 70% of the questions correct. If there were 150 questions on the exam, how many more questions did Stephanie answer correctly than Steve?
 - A 1 question
 - B. 10 questions
 - C. 15 questions
 - D. 25 questions
 - E. 90 questions
- 46. Mike has a bucket containing 13,086 marbles. He buys half that number of marbles, and adds them to his bucket, approximately how many marbles does he now have in his bucket?
 - A. 6,500 marbles
 - B. 13,000 marbles
 - C. 20,000 marbles
 - D. 26,000 marbles
 - E. 39,000 marbles

47. Fiona is playing with a complete deck of 52 cards. If she draws one card at random, what is the probability that she will select a heart?



48. -7 is greater than which of the following numbers?

- A. –10
- B. -4
- C. 0
- D. 1
- E. 8

- 49. A rectangular yard, measuring 50 feet long by 40 feet wide, contains a rectangular swimming pool. If the yard is 10 feet wider than the swimming pool on each side, what is the perimeter of the swimming pool?
 - A. 100 feet
 - B. 120 feet
 - C. 140 feet
 - D. 160 feet
 - E. 180 feet

50. Consider this statement:

If Mitch directs the movie, then he will also appear in it.

Which of the following statements must be true?

- A. Mitch does not appear in the movie; therefore, he did not direct it.
- B. Mitch did not direct the movie; therefore, he does not appear in it.
- C. Mitch appears in the movie; therefore, he directed it.
- D. Mitch appears in the movie; therefore, he did not direct it.
- E. Mitch did not direct the movie; therefore, he appears in it.

SECTION III: TEST OF WRITING

Directions: The Writing Section consists of two essay topics. Be sure to write about the assigned topics. Essays on topics of your own choice will not be acceptable. Your written responses should be your original work, written in your own words, and should not be copied or paraphrased from some other work. Since both topics are weighed equally in scoring, you should plan to spend about the same amount of time on each topic.

The essay topics in this test are designed to give you an opportunity to demonstrate your ability to write effectively. Spend some time considering each topic and organizing your thoughts before you begin writing. For each essay, be sure to address all parts of the topic; to support generalizations with specific examples; and to use multiple paragraphs.

You may use any blank space provided in this test booklet to make notes or to prepare a rough draft for each essay. However, your score will be based solely on the versions of your essays written in the space provided in your answer document. Please write as neatly and legibly as possible. To ensure that you have enough space for your entire essay, please do NOT skip lines; do NOT write in excessively large letters; and do NOT leave wide margins.

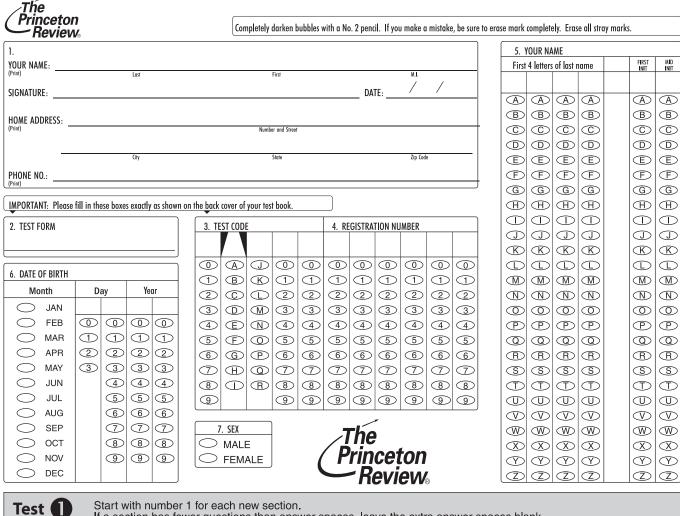
Topic 1

The amount of money available from the state budget for school district X has not increased in the last three years, despite the increasing number of students and rising administrative costs. As a result, members of the school board have formed partnerships with local businesses. Some of these partnerships involve free books, maps, and textbooks from a particular company. Others involve food from local fast-food establishments. Supporters of these partnerships argue that local businesses are helping out the community, and deserve recognition for their contributions. Critics argue that the school board should not form such partnerships, because schools will become tainted with "corporate advertising" throughout the school. Should schools allow corporate partners to help provide funding and materials? If so, should there be any restrictions on what can and cannot be donated?

Support your opinion with specific reasons.

Topic 2

What is the best class you have taken? Did you enjoy the class because of the teacher or because of the subject matter? Write about your favorite experience as a student. What has this classroom experience taught you that you will be able to use when you become a teacher?



Start with number 1 for each new section. If a section has fewer questions than answer spaces, leave the extra answer spaces blank.

Section I—Reading

 $I. \land B \bigcirc D \bigcirc$ 26. A B C D E 2. A B C D E 27. A B C D E 3. A B C D E 28. (A) (B) (C) (D) (E) 29. A B C D E 4. A B C D E 5. A B C D E 30. A B C D E 6. A B C D E 31. A B C D E 32. A B C D E 7. A B C D E 33. A B C D E 9. A B C D E 34. A B C D E $10. \bigcirc B \bigcirc D \bigcirc E$ 35. A B C D E 36. (A) (B) (C) (D) (E) 12. A B C D E 37. A B C D E $13. \bigcirc B \bigcirc D \bigcirc$ 38. A B C D E 14. A B C D E 39. A B C D E 15. A B C D E 40. (A) (B) (C) (D) (E) 16. A B C D E 41. A B C D E $17. \bigcirc B \bigcirc D \bigcirc$ 42. A B C D E 18. A B C D E 43. (A) (B) (C) (D) (E) 19. A B C D E 44. A B C D E 20. A B C D E 45. A B C D E 21. A B C D E 46. A B C D E 22. A B C D E 47. A B C D E 23. A B C D E 48. A B C D E 24. A B C D E 49. A B C D E 25. A B C D E 50. A B C D E

Section II—Mathematics

1. (A) (B) (C) (D) (E)	26. (A) (B) (C) (D) (E)
	21. A B C D E $27. A B C D E$
4. (A) (B) (C) (D) (E)	29. A B C D E
$5 \land A \land B \land D \land E$	30. A B C D E
6. A B C D E	31. A B C D E
7. A B C D E	32. A B C D E
8. A B C D E	33. A B C D E
9. A B C D E	34. A B C D E
	35. A B C D E
16. A B C D E 17. A B C D E	41. (A) (B) (C) (D) (E) 42. (A) (B) (C) (D) (E)
22. (A) (B) (C) (D) (E)	47. A B C D E
23. (A) (B) (C) (D) (E)	
24. (A) (B) (C) (D) (E)	49. (A) (B) (C) (D) (E)
25. A B C D E	50. A B C D E