

NAME _____

Section 1

ESSAY

Time—37.5 minutes

Turn to page 2 of your answer sheet to write your essay

An essay provides you with the opportunity to demonstrate how well you are able to develop and express your ideas. Take care on then to provide the most accurate expression of your abilities. Be sure to write an essay which is logical, precise and clear.

Be sure to write your essay on the answer sheet, and not the test booklet. You will not be given any extra paper on which you can write your essay. The space provided will be adequate as long as you write on every line, and do not waste space or use unreasonably large handwriting. As the graders must be able to read your essay in order to grade it, it is recommended that you take care to print an adequately clear handwriting

- DO NOT WRITE ANY ANOTHER TOPIC.
- AN ESSAY WHICH IS NOT ON TOPIC WILL RECEIVE A SCORE OF 0.
- DO NOT WRITE YOUR ESSAY IN YOUR TEST BOOK.
- YOU WILL BE GRADED ONLY ON WHAT YOU WRITE IN THE ANSWER SHEET

You have twenty-five minutes to write your essay on the topic assigned below.

Think carefully about the issues presented in the excerpt and assignment which follow.

All attempts to control our own destiny have lead to the exact results we were attempting to avoid, or even worse ones. It is not through chance that irony has become so central to our performance arts. We have developed over time an awareness of the reality that the surest way to foul up the future is to seek to improve.

- Adapted from Sinto Corbath's *Inventing Our Own Demise*

Assignment: Is it possible to control one's own future? Plan and write an essay in which you develop your response to this question. Support your position with reasoning and relevant examples taken from reading, studies, experience, or observations.

STOP

**If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.**

Section 2

Time—37.5 minutes

24 Questions

Mark your answers in the row of your answer sheet labeled Section 2

Directions: Choose the best answer from the answer choices that follow each problem. Fill in the corresponding circle on the answer sheet. No credit will be given for answers marked on the test booklet

In the questions below, each blank represents a missing word. Sentence can have either one or two blanks. Beneath each sentence are five answer choices with a word or pairs of words. Choose the answer choice that would fit the best if inserted in the blank or blanks.

Example:

With a desire to _____ his neighbors, John set out to _____ a park on their block.

- (A) find :: clean
- (B) hurt :: capture
- (C) see :: elevate
- (D) convince :: destroy
- (E) help :: create

Answer: E

1. The president's resolve on his plan of action was _____ by the floundering markets, so he was unsure of whether to implement it.
 - (A) enhanced (B) undermined
 - (C) obliterated (D) modernized
 - (E) established
2. The wildfire could not be _____, and eventually destroyed the village, forcing the locals to find _____ in an adjacent town.
 - (A) palliated :: fraternity
 - (B) squelched :: liability
 - (C) dispersed :: protection
 - (D) contained :: refuge
 - (E) harnessed :: jeopardy
3. The philosophy professor was known for his impatience with and disdain for many students, and was so _____ that he could often not even lecture without becoming enraged.
 - (A) indignant (B) convivial (C) debilitated
 - (D) alienated (E) blithe
4. Sleep deprivation can have _____ effects on the body's hormones, _____ regulation of functions such as glucose metabolism and appetite, leading to harmful weight loss or gain.
 - (A) strenuous :: terminating
 - (B) therapeutic :: inducing
 - (C) fortuitous :: facilitating
 - (D) degenerative :: pacifying
 - (E) adverse :: disrupting
5. The Beijing Olympics were such a success for China that they were able to erect new training facilities across the entirety of the _____ country, even though it covers over 3.5 million square miles.
 - (A) capacious (B) expansive (C) capricious
 - (D) aberrant (E) quintessential

Bellow are passages followed by questions based on their content. If questions follow a pair of related passages, they may be based on either passage, or the relationship between them. Answer the questions on the basis the information stated or implied in the passages or in introductory material when provided.

Questions 6-14 are based on the following passage.

This passage is adapted from a book on the history of music and American culture.

Tin Pan Alley is a real place, West 28th Street from Fifth to Sixth Avenue, in New York City, with a plaque to commemorate its place in American history; the physical Tin Pan Alley is not the most important one. The fact that it was the cultural seed from which sprouted American popular music too, and more importantly, the industry which this music continues to nurture, is what makes Tin Pan Alley so important. Many think that the mass production and marketing of music began with Elvis Presley, Frank Sinatra, or possibly the African American performers that they emulated. Few would have expected that Charles K. Harris's *After the Ball* would have sold five million copies a full half century before either Elvis or Sinatra recorded a single song. This is mostly because few people realize that the beginning of the American music industry was focused on the printing press, not printing records.

In order for an industry to thrive there must be production, distribution, and consumption. Advances in printing technology just prior to the Tin Pan Alley era made the mass production of sheet music economically viable. Sheet music allowed for the transportation of music, which had previously been shackled to the musician. The rise of the consumer middle class in the late 1800s provided the large-scale market for popular non-classical music. This confluence of market and technological forces created, for the first time, a climate capable of sustaining an industry centered on the large-scale creation, production, and sale of music.

Though at the helm of a young industry, Tin Pan Alley's executives possessed the marketing savvy found in our modern music conglomerates. Songs were made to order, either to fill the repertoire of one of the stars of the day, or more commonly, to fulfill the wants of the buying public. The industry was not, however, ignorant of the fact that the performances of the former often created or at least guided the cravings of the latter. Many attempts were made to influence the song choices of the stars of the day to help boost sales. The music executives did not stop at attempting to tailor their music to the market; they ventured deep into market research, both prior to a song's creation, to determine the wants of the listening public, and also upon a song's completion, to test its marketability. If it did not test well with a sample audience, the work of art might end up being retooled, or scrapped. These executives even learned to use attractive cover art to promote the sale of sheet

music, bringing yet another art form into their commercial arsenal.

It was not that Tin Pan Alley abandoned artistry for industry, or subjugated the music to the market. In fact, the name "Tin Pan Alley" was coined by a reporter who was so bombarded by the cacophony of pianos as he walked through the district, he wrote that he felt as if he was surrounded by thousands of people banging on tin pans. While this is by no means a compliment to the music being played, it does speak to the freedom to create that Tin Pan Alley afforded its working musicians. Prior to this time, few attempted to earn a living as professional songwriters in the modern sense. Classical music was unable to support the multitudes of music producers who earned a living on Tin Pan Alley, mostly due to its devotion to artistic perfection, a luxury that Tin Pan Alley lacked. By requiring its musicians to be influenced by the listening public, Tin Pan Alley provided many more people with the opportunity to earn a living making music than the previous generation's musicians could have dreamed possible.

6. The author mentions the plaque on line 2 to imply that Tin Pan Alley was most notable as

- (A) an incubator of the modern music industry
- (B) an architectural landmark of historical significance
- (C) an overlooked investment opportunity
- (D) a gauge of societal evolution
- (E) a cultivator of urban gardening

7. In the first paragraph, the author mentions Elvis Presley and Frank Sinatra in order to

- (A) give an example of musicians who perpetrated musical fraud
- (B) investigate the effects of Tin Pan Alley on future singers
- (C) reveal a formerly hidden mystery about the inception of Tin Pan Alley music
- (D) show that pop music is far superior to Tin Pan Alley music
- (E) provide the reader with historical perspective on Tin Pan Alley

8. Lines 18 - 25, "In order ... music," are designed to explain why
- (A) mass-produced music did not precede Tin Pan Alley
 - (B) economic factors influence artistic development
 - (C) sheet music prevented musical recordings
 - (D) industrial success cannot be predicted
 - (E) musical production was often stifled
9. In the second paragraph (lines 19 - 24), the author implies that the printing press
- (A) predated the invention of written music and a mass audience
 - (B) provided two of the music industry's requirements for success
 - (C) removes the need for people to create most types of music
 - (D) remained the focal point of people on Tin Pan Alley
 - (E) improved productivity of Tin Pan Alley musicians
10. The author refers to, "stars of the day" (lines 32 - 35), in order to illustrate
- (A) a misconception the public has about Tin Pan Alley celebrities
 - (B) the ways that music can improve the lives of singers and songwriters
 - (C) how Tin Pan Alley music executives attempted to influence their customers
 - (D) that music sales by famous singers sustained Tin Pan Alley
 - (E) some potential conflicts faced by Tin Pan Alley salesman
11. The change in the author's focus from the third paragraph to the fourth paragraph can best be described as moving from the
- (A) symbolic markets to the living conditions
 - (B) human consequences to the media impression
 - (C) professional calculating to the artistic value
 - (D) corporate naiveté to the classical roots
 - (E) public persona to the private revelations
12. In line 52, the term "cacophony" most nearly means
- (A) clamoring
 - (B) synthesizing
 - (C) fracturing
 - (D) harmony
 - (E) antipathy
13. How would the author most likely conclude the following statement: "The Tin Pan Alley music executives ran the music industry like a business..."?
- (A) while providing the world with an essential product
 - (B) and improved the real estate marketing of New York
 - (C) without concerning themselves with the artist's needs
 - (D) but created a place for the professional musician to thrive
 - (E) with strangely few impediments to their success
14. The main purpose of the passage is to
- (A) introduce a cultural phenomenon
 - (B) teach an economic theory
 - (C) highlight a social injustice
 - (D) suggest a fundamental change
 - (E) explain an artistic style

Questions 15-24 are based on the following passage.

In this passage, the author, a retired literary critic, discusses his first return to Krakow after leaving as a boy.

When I left at such a young age, Krakow was a city of dilapidated structures--a medieval metropolis, known for its past glory, and dying in the shambles of what it no longer was. In my mind, it was like Istanbul, or Seville: a city with a past but no future. My reason for not returning, this idea of Krakow as frozen, was and is preposterous. Progress, including Krakow's, comes in waves rather than in beginnings and endings.

I returned in 1991, after the fall of the Soviet Union, to relive what had only been ghost-like--even unreal--in my mind. I noticed the elegance even in the cobblestone streets of Krakow, my hometown. How could I have been so near-sighted? After two World Wars, even following the slow deterioration inflicted by the Cold War, the quiet mystery of the city consumed me. In particular, the smells--sausages, beet soups, and meat dumplings--reminded me of another time, or maybe of the fact that my childhood remained closer than expected, and that Krakow stood still. I was no visitor but a wanderer among past memories, all created in a time before the Russian Revolution or Nazi invasion, when old Europe was still alive.

But Mama was gone, as well as Papa, Karol, Julia, and Albert. When I passed Albert's bookshop, I found a new home with crudely planned Soviet architecture--almost like a box more than a home. This was the same when I visited the butcher shop. It was transformed into a clothing store selling marked-down, gaudy women's apparel, mostly imports from China, and I did not recognize the young women inside. This was when I first noticed the nature of change: the people transform but the sensations can resurface, often at inopportune moments, and this is when you miss the people most.

When Sofia, my wife, came two days later, I thought myself an elegant, if slightly disheveled, man of great ambition and hope. "You look like a wreck." She said. I appeared haggard, my skin was discolored, and I was frenetically motioning to Krakow's buildings and what I believed were flourishing historical details. She tried to calm me with affectionate words and small, funny stories from home in the United States. The problem was that I was already engulfed in a vision of my younger self and she was, unfortunately, a woman apart from that world.

The women I remembered were mostly Polish, Hungarian, and Ukrainian ladies who helped my mother in her schoolhouse. They taught Language Arts and Mathematics with a tender deference to my mother: following her lesson plans, obeying her rules, and offering only the most essential suggestions. They were incredibly bright, capable and confident--all qualities that I later found in Sofia. It amazed me that I never connected that which I admired in these ladies with that which attached me to

Sophia. These women and my feelings for them were a part of my last enduring recollections from Krakow before I moved to Moscow and, then, following the war, to the United States. I remembered that people were still strong, and I was still young, but time just wasn't on our side.

15. The author compares Krakow to Istanbul and Seville (lines 4 - 5) in order to

- (A) refute a claim
- (B) depict an impression
- (C) explain a revelation
- (D) argue a hypothesis
- (E) present a fact

16. The discussion of progress on lines 6 - 8 is designed to

- (A) clarify the author's intentions
- (B) detail the author's development
- (C) rectify the author's transgression
- (D) explain the author's mistake
- (E) obscure the author's intentions

17. The phrase "ghost-like" on line 10 references a

- (A) superstitious belief
- (B) compelling experience
- (C) forgotten past
- (D) political change
- (E) incomprehensible adaption

18. The author's tone in the second paragraph can best be described as

- (A) guilty and contemplative
- (B) impressed and nostalgic
- (C) festive and erratic
- (D) combative and reflective
- (E) dumbstruck and repelled

19. The difference illustrated by references to "Albert's bookshop" and "the butcher shop" on lines 23 - 26 is most similar to which of the following changes?

- (A) A neighbor's house one new adding a second story
- (B) A local dancer one watched becoming an international star
- (C) A bridge one drove over being upgraded for more traffic
- (D) A song one remembered being covered by a new band
- (E) A meadow one played in being turned into a shopping mall

20. The author uses the phrase "often at inopportune moments" (line 31) in order to
- (A) suggest his displeasure with some changes
 - (B) explain the root of his nostalgia
 - (C) indicate his desire to leave
 - (D) express the advantages gained from returning to Krakow
 - (E) demonstrate his growing confusion
21. In lines 33 - 35, the wife's visit highlights the
- (A) depth of his transformation
 - (B) fascination she has with the mundane aspects of life
 - (C) familiarity between the husband and wife
 - (D) anxiety one feels when traveling alone
 - (E) contrast between his impression and reality
22. In line 37, the phrase "frenetically motioning" indicates that the narrator was
- (A) too embarrassed to connect with his wife
 - (B) eager but unable to express his feelings
 - (C) hesitant to share his discoveries
 - (D) confused by the changed surroundings
 - (E) unprepared to interact with a foreigner
23. The tone of the passage's final sentence is one of
- (A) aggressing rebellion
 - (B) abject denial
 - (C) bittersweet acceptance
 - (D) hopeless desperation
 - (E) uncontrolled grief
24. The author of the passage would most likely agree with which of the following statements about traveling to one's childhood home?
- (A) The journey is often more emotional than it is physical.
 - (B) Precautions should be taken to avoid getting lost in changed cities.
 - (C) Evidence of beauty should be shared with loved ones.
 - (D) Trips should be taken only to unfamiliar destinations.
 - (E) Most people return home to visit relatives, not to see sights.

STOP

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

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Section 3

Time—37.5 minutes

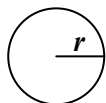
18 Questions

Mark your answers in the row of your answer sheet labeled Section 3

Directions: You have 25 minutes to complete both types of questions found in this section. Questions 1-8, require you to solve each choose the best of the answer choices given. Fill in the corresponding circle on the answer sheet. No credit will be given for answers marked on the test booklet, though you may use it for

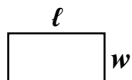
- The use of a calculator is permitted
- Only real numbers are used
- The figures that accompany a problem are drawn accurately UNLESS it is stated that they are not drawn to scale.
- Unless restrictions are placed on them, assume that the domain and range of each function is all real numbers.
- Assume that all figures are two dimensional plane figures unless otherwise specified.

Reference Information

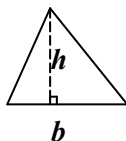


$$A = \pi r^2$$

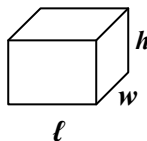
$$C = 2\pi r$$



$$A = lw$$



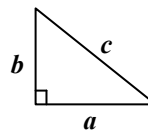
$$A = \frac{1}{2}bh$$



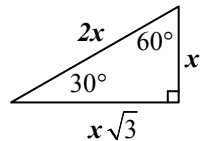
$$V = \ell wh$$



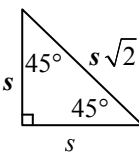
$$V = \pi r^2 h$$



$$c^2 = a^2 + b^2$$



Special Right Triangles



The number of degrees of arc in a circle is 360.

The sum of the measures in degrees of angles of a triangle is 180.

1. Which of the following is equivalent to the equation

$$4(x - 4) - 3(x - 3) = 12?$$

- (A) $x - 23 = 12$
 (B) $x + 7 = 12$
 (C) $x = 12$
 (D) $x + 1 = 12$
 (E) $x - 7 = 12$

2. Two parallel lines in a plane are intersected by a third line, forming eight angles. If the measure of one angle is 45° , what is the measure of the largest angle that is formed?

- (A) 45°
 (B) 90°
 (C) 110°
 (D) 135°
 (E) 180°

3. If a standard six-sided number cube is rolled, what is the probability that the number rolled will be divisible by three?

(A) $\frac{1}{6}$
(B) $\frac{1}{3}$
(C) $\frac{1}{2}$
(D) $\frac{2}{3}$
(E) $\frac{5}{6}$

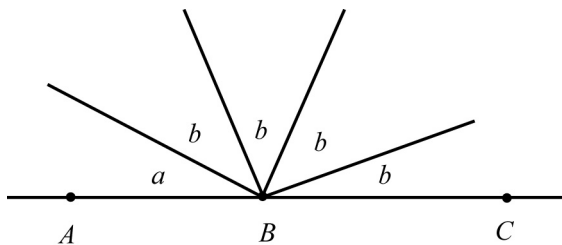
0, -3, 3, -2, 9, 4, 4, 1, x

4. If x is the average (arithmetic mean) of the set of numbers shown, which of the following could be the value of x?

(A) 1
(B) 2
(C) 3
(D) 4
(E) 5

5. The width of Cube A is twice the width of Cube B. The volume of Cube A is how many times larger than the volume of Cube B?

(A) 1
(B) 2
(C) 4
(D) 8
(E) 16



Note: Figure not drawn to scale.

6. In the figure above, B is the point on \overline{AC} at which all lines meet. If only a is an integer, then which of the following is a possible value of a ?
- (A) 22
(B) 28
(C) 32
(D) 40
(E) 56

NUMBER OF SPORTS TEAMS PER SCHOOL

School	Teams
A	4
B	6
C	3
D	$2s$
E	s

7. The table above shows the number of sports teams in each of five schools. If school B has the most sports teams, and every school has a different number of teams, then which of the following could be the total number of teams at all five schools?
- (A) 10
(B) 11
(C) 16
(D) 18
(E) 20

8. For all nonzero integers k , let $\diamond k$ be defined as $\diamond k = 3k + 2$. If $s = t$ and $\diamond s = t$ and both s and t are integers, then which of the following must be true?

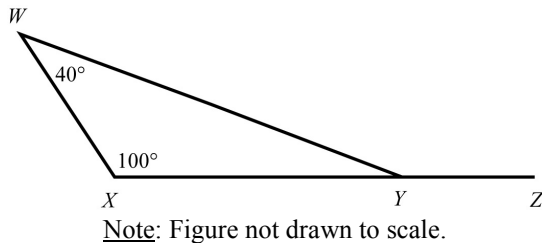
- I. $t^2 = -s$
 II. $|s| \neq t$
 III. $t < 0$

- (A) I only
 (B) II only
 (C) I and II
 (D) II and III
 (E) I, II, and III

Directions: The Student Produced Response questions do not provided answer choices. Use the grids at the bottom of your answer sheet to record your numerical answer. Be sure to mark the answers in the grid associated with this section.

For question 9 – 18, you will have to solve the problem, and enter your answer in the grids by marking the bubbles that correspond to the value of your answer in the grid that corresponds to the problem number.

- You are not required to write your answers in the spaces provided, though it is recommended you do so to ensure you fill in the bubbles accurately
- Only mark one circle per column
- You must fill in bubbles completely to receive credit. Answers only written in the spaces will not be given credit.
- If more than one correct answer is possible, only enter one.
- No problem will have a negative answer
- You may not grid in mixed numbers. Convert them to either decimals or improper fractions.
- Long Decimals: To enter an answer with more decimal values than the grid can fit, the value can be either rounded or truncated, but the value must fill all of the spaces in the grid. For decimals less than 1, do not enter the 0 in the one's place. Begin your entry with the decimal.

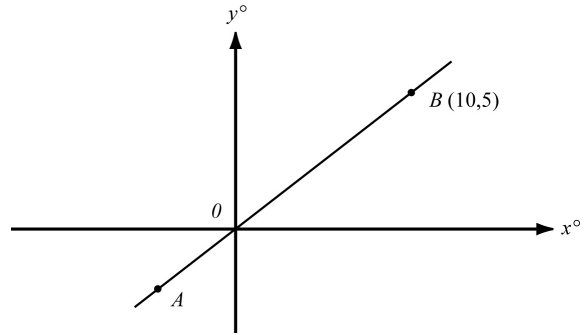


9. Based on the figure above, if $WX = 8.5$, then what is the length of XY ?

10. At a concession stand for a school event, Juan purchases 3 cookies and 5 bags of chips for \$5.25. Susan purchases 1 cookies and 4 bags of chips for \$3.50. What is the cost (in dollars) of 2 cookie and 1 bag of chips?

<i>A</i>	<i>E</i>	<i>I</i>
<i>B</i>	<i>F</i>	<i>J</i>
<i>C</i>	<i>G</i>	<i>K</i>
<i>D</i>	<i>H</i>	<i>L</i>

11. The figure above shows the aerial view of a plot of land that is divided into 12 parcels. Each rectangular parcel: I, J, K, and L, is twice the area of each square parcel A, B, C, D, E, F, G, and H. If the area of the entire plot is 14 more than the area of parcel K, then what is the area of parcel A?



12. In the xy coordinate plane above, the line containing points *A* and *B* passes through the origin. If both the x and y values of point *A* are integers and $x > -4$, then what is the product of x and y ?

-
13. A train travels 620 miles in 5 hours. If the train maintains its constant speed, how many hours will it take the train to travel 992 miles?

14. New Fort High School has a population of 1,750 students. If the number of boys at the school is b and the number of girls is g and $3b + 2g = 4g$, then how many girls are at the school?

-
15. Let the function $f(x)$ be defined as $f(x) = |3x - 7|$. If t is an integer, then what is one possible value of t such that $f(t) < t$?

-
16. In the xy coordinate plane, line m is perpendicular to line n . Line n is parallel to line ℓ . If line m passes through the points $(0,0)$ and $(-2,6)$, what is the slope of line ℓ ?

17. A restaurant offers a lunch special that includes an entrée, side dish, desert and beverage. There are 6 entrées to choose from, c selections of side dishes, 2 deserts and $2c$ different beverages available. If there are 384 different lunch combinations, what is the value of c ?

-
18. Alec would like to replace the tile on his rectangular patio. He knows that the shortest distance from one corner to the corner on the opposite side of the patio (when measured along the floor) is 25 feet. If his patio is 20 feet wide, how many square feet of tile are needed to cover the patio?

STOP

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

Section 4

Time—37.5 minutes
35 Questions

Mark your answers in the row of your answer sheet labeled Section 4

Directions: Choose the best answer from the answer choices that follow each problem. Fill in the corresponding bubble on the answer sheet. No credit will be given for answers marked in the test booklet

Bellow, part or all of each sentence is underlined. The five answer choices below each sentence present five different ways of phrasing the underlined material. Choice A repeats the original phrasing; the other four choices are different. Choose the answer choice which represents the best phrasing of the underlined portion. If you feel the original wording is better than any of the other answer choices, select A.

Follow the requirements of standard written English: grammar, choice of words, sentence construction, and punctuation are all relevant.

Example:

Pele was the greatest soccer player of his generation, but he was then the most famous.

- (A) but he was then the most famous
- (B) and he was the most famous
- (C) at the time when he was the most famous
- (D) while being the most famous
- (E) and more than that was the most famous

Answer: B

1. Early twentieth century chess master Emanuel Lasker was criticized by other players for his "hunger for money" because of his demanding high fees for playing matches and tournaments.
 - (A) of his demanding high fees for playing matches and tournaments
 - (B) of demanding high fees to play matches and tournaments
 - (C) of his demanding high fees to play matches and tournaments
 - (D) he was demanding of high fees for playing matches and tournaments
 - (E) he demanded high fees for playing matches and tournaments
2. Underestimating its value, the "welfare capitalism" introduced to the automobile industry by Henry Ford

was criticized by many well-known industrialists and by Wall Street observers.

- (A) Underestimating its value, the "welfare capitalism" introduced to the automobile industry by Henry Ford was criticized by many well-known industrialists and by Wall Street observers.
 - (B) Underestimating its value, the "welfare capitalism" introduced to the automobile industry by Henry Ford was met with criticism from many well-known industrialists and from Wall Street observers.
 - (C) Because they underestimated its value, many well-known industrialists and Wall Street observers criticized the "welfare capitalism" introduced to the automobile industry by Henry Ford.
 - (D) The "welfare capitalism" introduced to the automobile industry by Henry Ford was criticized by many well-known industrialists and by Wall Street because they underestimated its value.
 - (E) The "welfare capitalism" introduced to the automobile industry by Henry Ford was criticized by many well-known industrialists and by Wall Street because of their underestimating its value.
3. Type 2 diabetes, the most common cause of cardiovascular disease in the United States, preventable in 80% of cases by adopting a healthy diet and increasing physical activity.
 - (A) States, preventable in 80% of cases by
 - (B) States, preventable in 80% of cases because of
 - (C) States, preventable in 80% of cases when
 - (D) States is preventable in 80% of cases by
 - (E) States, is preventable in 80% of cases by

4. The morning after Chuck and Habib arrived in New Zealand, he received an urgent message from his family and had to return to the United States.

(A) he received an urgent message from his family and had to return to the United States
 (B) he had to return to the United States because with the receiving of an urgent message from his family
 (C) he had to return to the United States when he received an urgent message from his family
 (D) Habib received an urgent call from his family and had to return to the United States
 (E) Habib was receiving an urgent call from his family and had to the United States

5. SUVs, once the most popular passenger vehicles in the United States, are now so derided for their poor fuel efficiency and high carbon emissions as to be unacceptable to many of today's car buyers.

(A) are now so derided for their poor fuel efficiency and high carbon emissions as to be unacceptable to many of today's car buyers
 (B) are now so derided for their poor fuel efficiency and high carbon emissions and unacceptable to many of today's car buyers
 (C) are unacceptable to many of today's car buyers stemming from their poor fuel efficiency and high carbon emissions of theirs
 (D) now are derided for their poor fuel efficiency and high carbon emissions, which means that many of today's car buyers find it unacceptable
 (E) now are derided for their poor fuel efficiency and high carbon emissions and thought by many of today's car buyers to be unacceptable

6. The mysterious last flight of aviatrix Amelia Earhart holds a particular fascination for those people which have a belief in finding evidence of Earhart's fate.

(A) which have a belief in finding evidence of Earhart's fate
 (B) that believe there is evidence to be found of Earhart's fate
 (C) who believe there is evidence to be found of her fate
 (D) who believe there is evidence to be found of Earhart's fate
 (E) who believe about finding evidence of Earhart's fate

7. Wikipedia editors are not required to have scholarly expertise, experience as a technical writer or training technically, as their only job is to follow the Wikipedia editorial guidelines.

(A) scholarly expertise, experience as a technical writer or training technically, as their
 (B) scholarly expertise, professional writing experience or technical training, as their
 (C) expertise of a scholar, experience as a technical writer or the training of a technical person, with their
 (D) scholarly expertise, professional writing experience or technical training, for they are needed to do
 (E) scholarly expertise, experience as a technical writer or training technically, with their only job being

8. The mountaintop removal (MTR) form of coal mining, leading to profound changes in topography and disturbance of pre-existing ecosystems; as a result, it is highly controversial.

(A) coal mining, leading to profound changes in topography and disturbance of pre-existing ecosystems; as a result, it is highly controversial
 (B) coal mining, because it leads to profound changes in topography and disturbance of pre-existing ecosystems, is highly controversial
 (C) coal mining leads to profound changes in topography and disturbance of pre-existing ecosystems and it is highly controversial as a result
 (D) coal mining, which leads to profound changes in topography and disturbance of pre-existing ecosystems and as a result is highly controversial
 (E) coal mining, leading to profound changes in topography and disturbance of pre-existing ecosystems which make it highly controversial

9. A perfect demonstration of the age-old clash between money and moral values was when southern plantation owners asserted, passionately and in resolutely moral terms, that the immensely profitable institution of slavery was in the best interest of the slaves.

(A) when southern plantation owners asserted, passionately and in resolutely moral terms, that
 (B) the passionate and resolutely moral assertion by slave owners that
 (C) when southern plantation owners asserted, with passion and in resolutely moral terms, that
 (D) when southern plantation owners asserted, with passion and also in resolutely moral terms, that
 (E) where southern plantation owners made the assertion, passionately and in resolutely moral terms, that

10. The disastrous effects of the highly publicized steroid epidemic in professional sports having been evident in the trickle down of steroid use to college and high school athletes.

(A) having been evident
 (B) being evident
 (C) is evident
 (D) are evident
 (E) and it is evident

11. The sun hadn't yet set, but Sally knows that the likelihood of spotting a hawk is rapidly diminishing, and she needed a stroke of luck in order to capture the elusive raptor on film.

(A) knows that the likelihood of spotting a hawk is rapidly diminishing, and
 (B) had known that diminished the likelihood of spotting a hawk, but
 (C) knows that the likelihood of spotting a hawk was rapidly diminished, and
 (D) knew that the likelihood of spotting a hawk was rapidly diminishing, even though
 (E) knew that the likelihood of spotting a hawk was rapidly diminishing, and

The following sentences test your ability to recognize grammar and usage errors. Each sentence contains either a single error or no error at all. No sentence contains more than one error. The error, if there is one, is underlined and lettered. If the sentence contains an error, select the one underlined part that must be changed to make the sentence correct. If the sentence is correct, select choice E. In choosing answers, follow the requirements of standard written English.

Example:

The other delegates and him immediately accepted the resolution drafted by the neutral states. No error

12. More than a hundred and fifty years after settlers revolt
 A B
 against Mexican rule, the California state flag still has
 C
 the same image of a grizzly bear, a fearsome animal that
 is also known as the Silvertip Bear. No error
 D E

13. Former Presidents are usually very busy giving
 A B
 speeches, engaged in charity work and providing
 C D
 political advice. No Error
 E

14. As generations pass and trends change
 A B
 fashion styles continue to reflect the interests
 C
 and attitudes of the people. No error
 D E

15. A lack of character development in the author's novels
 A
has limited his popularity, forcing him to reconsider or
 B C
else rethink his writing style. No error
 D E

16. Ants can lift many times their body weight, making it
 A B C
 very easy for them to work and collect food. No error
 D E

17. Every night after work at the restaurant, Monique has to
 A
 count the money, cleans the bottles, and then wipe down
 B
 the bar before she can lock up. No error
 C D E

18. Just how vital a fair and monitored financial lending
 A
 system is to economic stability has never been
 B C
more clearer than it is now. No error
 D E

19. In those countries in which healthcare is socialized,
 A B
 fewer people neglect illness and doctors are widely
 C
available to everyone. No error
 D E

20. It was clear that the headlining comedian is having to
 A
 create some funny material, whereas his opening act
 B C
 seemed to be filled with jokes. No error
 D E

21. As the rising water level has submerged the causeway,
 A
 cutting off access to the southernmost coastline and
 B
 islands alike, we had been stranded for hours. No error
 C D E

22. The soldier who disrespected his staff sergeant's
 A
 authority would have not got away with this conduct
 B C
had his father not been the captain. No error
 D E

23. Archeologists both encourage land preservation, and
A
are destroying lands at their digs, which make them
B C D
appear hypocritical. No Error
E
24. Far from having been the best soccer player on the field,
A B
Shawn still hustled more and moved without the ball
C
better than anyone. No error
D E
25. Whatever dividends the brewing company finally pays
A
out will probably be determined as much by the fear of
B C D
an economic recession as by actual sales. No error
E
26. Having founded the bio-psycho-social model, Dr.
A
George Engel is regarded to be one of the pioneers of
B C
psychosomatic medicine, and is often compared to other
D
giants in the field. No error
E
27. According to the fashion designer, the most valued
A
members of his staff were those which had been
B
innovative rather than those who had the cleanest work
C D
record. No error
E
28. The hospital staff was concerned about the man's erratic
A B
behavior and they knew neither his medical history or
C D
his emergency contact information. No error
E
29. Ernest Hemingway is known for his plain writing,
A B
limited dialogue, and his adventurous lifestyle. No Error
C D E

Directions: The following passage is an early draft of an essay. Some parts of the passage need to be rewritten. Read the passage and select the best answers for the questions that follow. Some questions are about particular sentences or parts of sentences and ask you to improve sentence structure or word choice. Other questions ask you to consider organization and development. In choosing answers, follow the requirements of standard written English.

Questions 30 – 35 are based on the following passage

(1) The waterfall on the farm is a special place with a supreme magic. (2) The power is to relieve my stress. (3) When something is bothering me, and I can't get it out of my thoughts, I like to go to the waterfall to sit and relax. (4) It's been my place of refuge for as long as I've been old enough to venture away from the house on my own. (5) I'm sure this familiarity is part of what makes me feel at ease, but I'm also sure that the atmosphere has something to do with it too.

(6) Most of the farm consists of wide-open fields, and the waterfall is in a small timber stand. (7) Under the tall fir trees, a creek winds through the native vegetation of snowberries, ferns, and blackberry brambles growing randomly along the banks. (8) Up from there, where they get thin, they give way to a thick carpet of Douglas Fir needles dappled by occasional patches of moss. (9) There are no ordered rows of lettuce, no fenced-off fields of wheat or rye, no stacks of straw. (10) All in all there are no sign of man-made things: tractors, rusty old cars, barns, houses. (11) It is this shelter from any visible sign of civilization that helps to calm my mind.

(12) The sounds are also therapeutic. (13) When I'm at the waterfall, the highway is close by making constant noise, however I seem to hear only the sound of the water and the songs of the birds. (14) The gentle trickling soothes my thoughts as though the water were washing away whatever negative feelings I came there with. (15) The bird sounds, random but pleasant, give me the feeling that no one's worried.

30. Which is the best way to revise and combine sentences 1 and 2 (reproduced below)?

The waterfall on the farm is a special place with a supreme magic. The power is to relieve my stress.

- (A) The waterfall on the farm is a special place with a supreme magic and a power which is to be able to relieve my stress.
- (B) The waterfall on the farm is a special place with a supreme magic which has the power to relieve my stress.
- (C) The waterfall on the farm is a special place with a supreme magical power to relieve my stress.
- (D) Having a supreme magic, my stress is relieved by the waterfall on the farm, which is a power.
- (E) A special place, the waterfall on the farm has a supreme magic which is a power to relieve my stress.

31. What is the best way to deal with sentence 6 (reproduced below)?

Most of the farm consists of wide-open fields, and the waterfall is in a small timber stand.

- (A) Insert "Since" at the beginning
- (B) Insert "Even though" at the beginning
- (C) Replace "and" with "though"
- (D) Delete "and"
- (E) Delete "Most of"

32. Which is the best way to revise the beginning of sentence 8 (reproduced below)?

Up from there, where they get thin, they give way to a thick carpet of Douglas Fir needles dappled by occasional patches of moss.

- (A) (As it is now)
- (B) Above, the trees thin out and give way to a thick carpet
- (C) They get thinner where it goes up, giving way to a thick carpet
- (D) Up above, they thin out, giving way to a thick carpet
- (E) As one look up, one sees them give way

33. Which is the best way to revise sentence 10 (reproduced below)?

All in all there are no sign of man-made things: tractors, rusty old cars, barns, houses.

- (A) Tractors, rusty old cars, barns and houses are signs of man-made things which are not there all in all.
- (B) There is no sign of man-made things: tractors, rusty old cars, barns or houses.
- (C) Similarly, there is no sign of man-made things: tractors, rusty old cars, barns, houses.
- (D) Similarly, there are no sign of man-made things: tractors, rusty old cars, barns or houses.
- (E) All in all, no signs of man-made things is present: tractors, rusty old cars, barns or houses.

34. What is the best way to revise sentence 13 (reproduced below)?

When I'm at the waterfall, the highway is close by making constant noise, however I seem to hear only the sound of the water and the songs of the birds.

- (A) (As it is now)
- (B) Take it out. It's not necessary.
- (C) When I'm at the waterfall, even though the highway with its constant noise is close by, I seem to hear only the sound of the water and the songs of the birds.
- (D) When I'm at the waterfall, I seem to hear only the sound of the water and the songs of the birds, while the highway with its constant noise is close by.
- (E) Hearing only the water and the songs of the birds, when I'm at the waterfall, the constant noise of the highway doesn't bother me.

35. Which is the best sentence to add to the end of the last paragraph?

- (A) All of these sounds contribute to the atmosphere.
- (B) That's another calming quality; the waterfall scene just happens so effortlessly.
- (C) The sound of the highway is more like my negative feelings.
- (D) That's another calming quality, the waterfall scene just happens so effortlessly.
- (E) Inasmuch as it has a calming quality, the waterfall scene just happens so effortlessly.

STOP

**If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.**

Blank Page

Section 5

Time—37.5 minutes

24 Questions

Mark your answers in the row of your answer sheet labeled Section 5

Directions: Choose the best answer from the answer choices that follow each problem. Fill in the corresponding circle on the answer sheet. No credit will be given for answers marked on the test booklet

In the questions below, each blank represents a missing word. Sentence can have either one or two blanks. Beneath each sentence are five answer choices with a word or pairs of words. Choose the answer choice that would fit the best if inserted in the blank or blanks.

Example:

With a desire to _____ his neighbors, John set out to _____ a park on their block.

- (A) find :: clean
- (B) hurt :: capture
- (C) see :: elevate
- (D) convince :: destroy
- (E) help :: create

Answer: E

1. Since he had lived in major cities for much of his life, Barry felt deprived of nature, and knowledge of the outdoors, something he now looked forward to and _____.
(A) cherished (B) loathed (C) detested
(D) recollected (E) manufactured
2. Even though he usually let his puppy get away with everything, this time, Taylor _____ his puppy after the incident.
(A) emboldened (B) abstracted (C) reassured
(D) tamed (E) scolded
3. The architect realized that his two sets of measurements were _____, so he began to measure again, to ensure no one would get hurt.
(A) antiquated (B) maintained (C) verified
(D) impeded (E) discordant
4. Most economists agree that inflation, monetary policy, and economic growth are _____ to such a degree that it is impossible to _____ one without examining the other.
(A) convoluted :: designate
(B) devalued :: observe
(C) extricated :: avoid
(D) enmeshed :: scrutinize
(E) rancorous :: populate
5. Hector “Macho” Camacho was known both for his boxing and his _____; he was renowned as both a showman and an athlete.
(A) brawn (B) abhorrence (C) grandiosity
(D) complacency (E) empathy
6. Attempts to _____ the thriving yet harmful aquatic weed have failed completely, leaving the weeds _____ and the river as clogged as ever.
(A) augment :: intact
(B) obliterate :: decimated
(C) eradicate :: unscathed
(D) extirpate :: abated
(E) collate :: argent
7. Often credited with the groundbreaking invention of the first karaoke machine, Daisuke Inoue is the Japanese musician who had the _____ idea of pre-recording his own backing tracks.
(A) lofty (B) industrious (C) innovative
(D) futile (E) bemused
8. While at one time the use of obscene language would make one a _____, it has become so commonplace that to _____ its use is praiseworthy.
(A) outcast :: indulge in
(B) equivocator :: reside in
(C) comrade :: benefit from
(D) heretic :: confide in
(E) pariah :: abstain from

Bellow are passages followed by questions based on their content. If questions follow a pair of related passages, they may be based on either passage, or the relationship between them. Answer the questions on the basis the information stated or implied in the passages or in introductory material when provided.

Questions 9-10 are based on the following passage.

That which makes the Oxford English Dictionary the authority on English language usage and meaning, its unforgiving objectivity, also conjures in the user a staid and insipid process of creation. In fact, the original compilation
 5 was not without controversy or intrigue. William Minor, an American surgeon confined to a British hospital for the criminally insane, was one of the most prolific volunteer contributors to the inviolable tome. James Murray, the man who presided over its creation, was utterly mystified by this
 10 brilliant yet elusive contributor. Only after decades of correspondence, the development of a friendship, and too many contributions to replace did Murray discover the truth behind Minor's condition.

9. Based on the information in the passage, the friendship between the two men can best be described as

- (A) improbable and impeded
- (B) understanding and persistent
- (C) reserved and reticent
- (D) shallow and vain
- (E) opportunistic and greedy

10. The reference to the "brilliant yet elusive contributor" (line 10) serves to suggest the

- (A) multifaceted nature of Minor's persona
- (B) negative effects the hospital had on Minor
- (C) longevity of the friendship between Minor and Murray
- (D) the extent of Minor's contributions to the dictionary
- (E) the standard of care Minor received while hospitalized

Questions 11-12 are based on the following passage.

Especially in Latin American neighborhoods, thoroughfares and community centers often carry the name of the late Cesar Chavez, while Dolores Huerta remains an eponym to proportionally too few. She founded the United Farm Workers (UFW) with Cesar Chavez, not under his
 15 tutelage. They fought together for workers' rights by organizing the Grape Boycott, which called for a minimum wage for the underpaid and exploited grape-pickers. The celebrity of Cesar Chavez, who has come to represent the face and name of the UFW, has inadvertently demeaned the
 20 legacy of Dolores Huerta, relegating her story to a paragraph in his biography.

11. The primary purpose of the passage is to

- (A) explain a heroic adventure
- (B) defend a complex proposition
- (C) elevate a historical figure
- (D) praise a growing trend
- (E) describe a vulnerable community

12. The author mentions "She founded ... grape-pickers" (lines 18 - 22) to underscore that

- (A) underpaid and exploited workers were considered disloyal
- (B) Cesar Chavez disapproved of Dolores Huerta's contributions
- (C) the grape-pickers recognized the futility of their efforts to earn minimum wage
- (D) Dolores Huerta was often overshadowed by Cesar Chavez
- (E) contrary to popular belief, Cesar Chavez and Dolores Huerta rarely worked together

Questions 13-24 are based on the following passages.

5 *“Blogging” is short for “web log”. It is the practice of creating a journal online. The following articles discuss the relationship between blogging and traditional media.*

Passage 1

10 In the past five years blogs have waxed to the point of ubiquity. In contrast, professional journalism has waned as their nourishing advertising dollars have migrated to a myriad of new outlets; leading to downsizing and the abandonment of bureaus. Castigating the blog for what is surely the result of a multitude of changes which have undermined traditional print journalism, would be a juvenile attempt to blame a single entity for the existence of change. However, by overloading the masses, and posturing anyone with a keyboard and an opinion as an expert, blogging is eroding the fabric of authentic journalism.

20 As the Internet has developed into an increasingly efficient platform for the dissemination of information, a growing number of individuals are turning to the monitor and not the page or pen for news. At no other time in history has so much information been so readily accessible, but at what point does a plethora become a glut? In 2005, it was estimated that some 19.2 billion web pages were in existence; clearly an unmanageable quantity, which surely continues to grow exponentially. Who could sift through all of this information? Journalists can and do. It is the job of the journalist to search, process, and summarize this bounty for the general public. The blogger is obliged only to create it. How shall we be informed when all that remains is an overload of data and no one suitably trained to deal with it? Will this leave us in any better position than to be without information at all?

35 Bloggers or “citizen journalists” as they are sometimes known, are not journalists. A doctor with a story and a modem can no more reasonably call herself a journalist than a journalist with a syringe and a scalpel can call himself a doctor. The professional journalists undergo years of training—both in the classroom and on the job—in order to get the facts straight, report objectively and write well. Yet each day thousands of self-certified experts hoist a superfluity of laden journal entries on the world, while making no distinction between carefully researched, objective stories from editorials, and it is editorializing that is the most troubling feature of blogs. Unlike a journalist whose goal is to inform the public of what is true, the blogger is motivated to convince them of what is true. Readers then gravitate to those blogs that reinforce their preconceptions. In this process, news devolves from an expanding influence into a tool for justifying willful ignorance.

Passage 2

Many bemoan the demise of journalism brought on by the rise of the blog. Much has been made of this small axe felling the grand tree, yet it is likely that the tree is not falling so much as being pruned. For far too long we have asked our main stream journalists, newspapers especially, to wear far too many hats. Indeed, more than they have adequate heads to support.

When paper was the best, and only means of transporting the written word, the cost of spreading ones thoughts, or accessing those of another made centralized newspapers the logical manner of information dissemination. As we were to receive only one delivery a day, we expected from it national news, international news, state and local news, sports updates, movie times, movie reviews, gardening tips, classified ads, Hollywood gossip, and every other piece of information that might come available.

Now that electricity can deliver our words to us, why should we still be tied to the page, and the juggernauts of information dissemination which they sustained and required? Is the gossip columnist sitting at her desk in New York really the better source of information on the comings and goings of celebrities in Los Angeles than the waiter who serves them drinks, and later blogs about it as StarServer71? Do we need this gossip deliver to us by a journalist with years of schooling behind her?

Is the imbedded reporter really that much better a source of the real fighting news, than reports sent directly from our soldiers, and theirs, and the townsfolk whom have been displaced while the two battle it out? Can we fairly expect the embedded reporter to interview their soldiers, our soldiers, and the effected civilians in a day and then piece together all of their vital information and get it to the editor by 4 pm?

Professional, well trained journalists are invaluable. We will, and should, never be without them. Yet, that does not mean that they have a stranglehold on all written information. We should let the bloggers trim some of the fat, and lighten journalists' burden. Transition is always difficult, and scary, but that does not mean that we should continue to rely on a source for things for which are not suited to deliver, simply because they are superiorly suited to deliver other things.

13. In line 2 of passage 1 the author's use of the term “ubiquity” implies what about blogs?

- (A) He likes to read them
- (B) They are becoming redundant
- (C) There are too many of them
- (D) Bloggers are becoming organized
- (E) He understands the blogging craze

14. The author states, "Castigating the ... change." on lines 12 - 16 of passage 1 in order to
- (A) imply that blogging is not the sole culprit
 - (B) insinuate the disadvantages of the blog
 - (C) demonstrate the bloggers effect
 - (D) ridicule bloggers immaturity
 - (E) implicate a malicious operative's motivation
15. What is the significance of the cited statistic in paragraph 2?
- (A) It gives the reader a sense of the importance of blogs in understanding the digital age.
 - (B) It provides a benchmark by which the remainder of the passages can compare values.
 - (C) It demonstrates the need for the professional journalist.
 - (D) It oversimplifies the facts presented to the reader.
 - (E) It characterizes a typical overstatement of many bloggers.
16. What is the author implying in passage 1 when he references, "citizen journalists"?
- (A) That most bloggers are profoundly patriotic.
 - (B) That the bloggers tend to be untrained.
 - (C) Which of the countries have the greatest number of bloggers
 - (D) The regulations involved in becoming a journalist
 - (E) The distinction between foreign and domestic bloggers
17. The author's tone in Passage 2 is one of
- (A) joy and reverence
 - (B) satisfaction and optimism
 - (C) denial and pessimism
 - (D) frustration and determination
 - (E) anxiety and fear
18. The term "bemoan" on line 54 of passage 2 could most nearly be replaced with which of the following terms?
- (A) flinch from
 - (B) appreciate that
 - (C) interfere with
 - (D) lament over
 - (E) assist with
19. The author of passage 2 asks, "Do we ... her?" at the end of paragraph 3 in order to point out that
- (A) bloggers and journalists need to be better trained at what they do
 - (B) many in the media treat celebrities with far to little courtesy
 - (C) bloggers tend to write in a much more casual and friendly manner
 - (D) most people who report on Hollywood tend to crave education
 - (E) not all reporters need to be professionally trained journalists
20. The statement, "Professional, well ... invaluable" (lines 88 - 89) in passage 2 is designed to
- (A) validate an opposing view
 - (B) begin a tangential argument
 - (C) promote a shared vision
 - (D) eliminate a lingering doubt
 - (E) clarify a central idea
21. Passage 1 and passage 2 differ in that only passage 1 uses the following
- (A) asks a rhetorical questions
 - (B) quotes a reliable expert
 - (C) sites a relevant statistic
 - (D) makes conciliator statements
 - (E) gives explanatory examples

22. The author of passage 1 would likely respond to paragraph 4 of passage 2 by stating all of the following EXCEPT
- (A) war is too dangerous a place for someone to take the time to blog
 - (B) a few good bloggers would be fine, but there are too many
 - (C) it would be impossible to know the biases of the soldiers and the citizen
 - (D) only the reporter would have the training to determine what is really happening
 - (E) we do expect the professional journalist to get all of that done, and they do
23. Both the author of passage 1 and the author of passage 2 would agree about with which of the following statements?
- (A) Many factors have contributed to diminish professional journalism.
 - (B) Many reporters have been poorly trained.
 - (C) The least likely source of information is sometimes the best.
 - (D) Most bloggers mimic the work of most reporters
 - (E) Bloggers will eventually take over journalism all together
24. In terms of the purpose of the passages
- (A) only passage 2 is trying to promote something as superior
 - (B) only passage 1 is trying to promote something as superior
 - (C) both passage 1 and passage 2 are trying to promote the idea that something is superior
 - (D) neither passage 1 or passage 2 are trying to promote the idea that something is superior
 - (E) the purpose of both passages is to promote the opposite idea

STOP

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

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Section 6

Time—37.5 minutes

20 Questions

Mark your answers in the row of your answer sheet labeled Section 6

Directions: You have 25 minutes to complete both types of questions found in this section. Questions 1-8, require you to solve each choose the best of the answer choices given. Fill in the corresponding circle on the answer sheet. No credit will be given for answers marked on the test booklet, though you may use it for

- The use of a calculator is permitted
- Only real numbers are used
- The figures that accompany a problem are drawn accurately UNLESS it is stated that they are not drawn to scale.
- Unless restrictions are placed on them, assume that the domain and range of each function is all real numbers.
- Assume that all figures are two dimensional plane figures unless otherwise specified.

Reference Information



$$A = \pi r^2$$

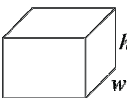
$$C = 2\pi r$$



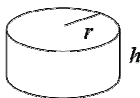
$$A = \ell w$$



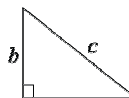
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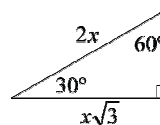
$$V = \ell wh$$



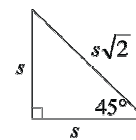
$$V = \pi r^2 h$$



$$c^2 = a^2 + b^2$$

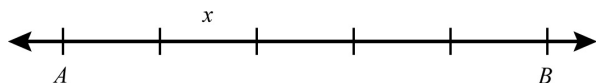


Special Right Triangles



The number of degrees of arc in a circle is 360.

The sum of the measures in degrees of angles of a triangle is 180.



1. In the number line above, A and B represent points on the line, and x represents the length of one of the sections of the line. If $B = 14$, and $A = -1$, then what is the value of x?

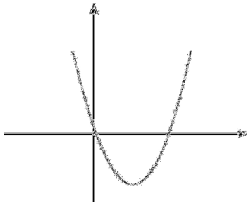
- (A) 2
- (B) 3
- (C) 5
- (D) 13
- (E) 15

2. A telephone company charges a monthly fee of \$17. For each minute that a customer talks on the phone, he is charged an additional \$0.03. If the company charges no other fees, which of the following could be used to find the monthly charges for a customer who talked on the phone for m minutes?

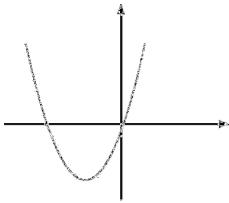
- (A) $17 + 0.03m$
- (B) $17.03m$
- (C) $17 + 3m$
- (D) $17m + 0.03$
- (E) $17(m + 0.03)$

3. Let the function $f(x)$ be defined as $f(x) = x^2 + bx + c$ for all real values of x . If $c < 0$ and $b = 0$, then which of the following could represent the graph of $f(x)$?

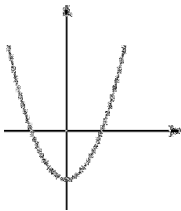
(A)



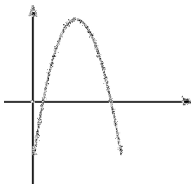
(B)



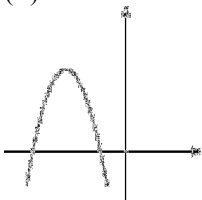
(C)



(D)



(E)



4, 7, 13, 25, ...

4. In the series listed above, each number after the first is one less than twice the previous number. What is the seventh number in the series?

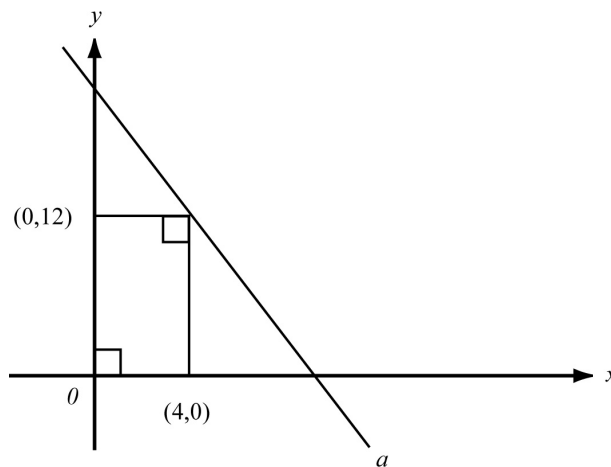
(A) 174
(B) 175
(C) 193
(D) 199
(E) 200

-
5. Given that $|2x + 4| > 10$, all of the following could be true EXCEPT

(A) $-3 < x < 3$
(B) $3 < x < 7$
(C) $-14 < x < -7$
(D) $7 < x < 14$
(E) $x = 7$

6. The sum of four consecutive odd integers is 48. How many of the integers are prime numbers?

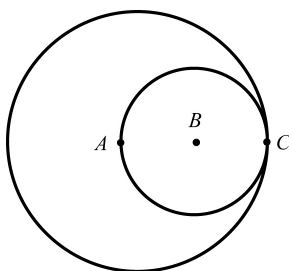
(A) None
(B) One
(C) Two
(D) Three
(E) Four



Note: Figure not drawn to scale.

8. Based on the figure above, all of the following could be points on line a EXCEPT

(A) (12, 4)
(B) (8, 8)
(C) (5, 13)
(D) (4, 12)
(E) (-2, 18)



7. In the figure above, A is the center of the larger circle, and is a point on the smaller circle. The center of the smaller circle is B . If the circumference of the larger circle is 36π , then what is the area of the smaller circle?

(A) 6π
(B) 9π
(C) 36π
(D) 81π
(E) 324π

9. Wayne is a waiter at a local restaurant. On a given day, he worked 8 hours and earns \$ w an hour in wages. He is given \$ t in tips but gives half of his tips to his busboys. In terms of t and w , how much did Wayne earn on that day?

- (A) $8w + \frac{t}{2}$
(B) $\frac{8w+t}{2}$
(C) $8t + \frac{w}{2}$
(D) $2t + 8w$
(E) $2w + 8t$

-
10. If $a - (2y - 1) = -y$, then in terms of a , what is the value of y ?

- (A) $a + 1$
(B) $a - 1$
(C) $-\frac{a+1}{3}$
(D) $\frac{a+1}{3}$
(E) $\frac{a-1}{3}$

11. If x is a negative integer, then which of the following is equivalent to $5x^6$?

- (A) $4x^4 + x^2$
(B) $5x^3(x^2)$
(C) $x^5(5x)$
(D) $x^6 + 5$
(E) $5x^9 - x^3$

-
12. If the area of a circle is $a\pi$, then in terms of a , what is the circumference of the circle?

- (A) $\sqrt{a}\pi$
(B) $2\sqrt{a}\pi$
(C) $2a\pi$
(D) $a^2\pi$
(E) $2a^2\pi$

13. If $x < -1$ and $0 < y < 1$, which of the following must be true?

- I. $-x > y$
- II. $3xy < 0$
- III. $y + x > 0$

- (A) I only
- (B) II only
- (C) III only
- (D) I and II only
- (E) I, II, and III

14. If the sum of a series of odd numbers starting with 5 and ending with t is $4t$, then which of the following is the value of t ?

- (A) 9
- (B) 11
- (C) 13
- (D) 15
- (E) 17

15. Let $f(x) = x^2$ be defined for any real number x . If $f(2r) = 15$, then what is the value of $f(4r) + 1$?

- (A) 8
- (B) 17
- (C) 34
- (D) 35
- (E) 61

**Watercolor and Acrylic Paintings
by Four Different Artists**

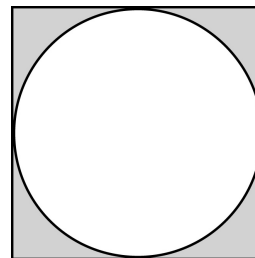
Artist	Watercolor	Acrylic	Total
Jacques	5	7	12
Henri		8	
Mary	3		7
Kerry	9	13	
TOTAL	t		54

16. The table above shows the number of watercolor and acrylic paintings painted by four painters as well as the total painting each created, the total number of acrylic and watercolors made, and the total number of paintings painted. Blank cells represent missing data, and all painters created at least one of each type of painting. If t represents the total number of watercolor paintings created, then, based on the table above, what is the value of t ?

(A) 5
(B) 16
(C) 18
(D) 22
(E) 54

17. a and b are distinct positive integers. If $a + b < 12$ and $b > 6$, then what is the greatest possible value of $(a - b)^2$?

(A) 4
(B) 9
(C) 49
(D) 64
(E) 81



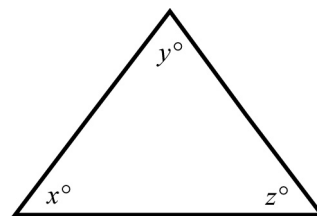
18. In the figure above, a circle is inscribed in a square. If the area of the shaded region is s , then in terms s , what is the radius of the circle?

(A) $s^2 - \pi s$
(B) $4s^2 - \pi s$
(C) $\frac{4-s}{\pi}$
(D) $\sqrt{4s - \pi}$
(E) $\sqrt{\frac{s}{4 - \pi}}$

19. When a positive integer n is divided by 13, the remainder is 4. Which of the following, when divided by 13, would have a remainder of 3?

I. $3n$
II. $4n$
III. $n - 1$

- (A) I only
(B) II only
(C) III only
(D) I and III only
(E) II and III only



20. In the triangle above x , y , and z represent the angle measurements of the three angles. If $x = y$ and $z < 60$, then which of the following must be FALSE?

I. $x = 60$
II. $x > 180 - (y + z)$
III. $x + y > 120$

- (A) I only
(B) II only
(C) I and III
(D) I and II
(E) II and III

STOP

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

7

7

7

Blank Page

Section 7

Time--30 minutes

19 Questions

Mark your answers in the row of your answer sheet labeled Section 7

Directions: Choose the best answer from the answer choices that follow each problem. Fill in the corresponding circle on the answer sheet. No credit will be given for answers marked on the test booklet

In the questions below, each blank represents a missing word. Sentence can have either one or two blanks. Beneath each sentence are five answer choices with a word or pairs of words. Choose the answer choice that would fit the best if inserted in the blank or blanks.

Example:

With a desire to _____ his neighbors, John set out to _____ a park on their block.

- (A) find :: clean
- (B) hurt :: capture
- (C) see :: elevate
- (D) convince :: destroy
- (E) help :: create

Answer: E

1. All of the members of the _____ committee were visibly excited and pleased to see that overall government spending was _____.
 - (A) static . . overturned
 - (B) commerce . . complimented
 - (C) intermittent . . opaque
 - (D) finance . . minimized
 - (E) material . . revitalized
2. The acclaimed dancer showed none of the rashness that _____ her early career; on the contrary, her performance could be characterized as _____.
 - (A) characterized . . compelling
 - (B) plagued . . composed
 - (C) revitalized . . amortized
 - (D) utilized . . illuminating
 - (E) treated . . impetuous
3. The pampered cast, _____ such luxury as chauffeured limousines, were predictably _____ when they learned that this perk had not been extended for the coming season.
 - (A) instigated by :: jocund
 - (B) enthralled by :: relieved
 - (C) accustomed to :: exasperated
 - (D) repulsed by :: disenchanted
 - (E) attracted to :: courteous
4. Every year, countless monarch butterflies _____ thousands of miles from their home, participating in one of nature's great _____.
 - (A) venture . . reproductions
 - (B) maneuver . . passages
 - (C) engage . . enterprises
 - (D) navigate . . migrations
 - (E) submerge . . journeys
5. In literature, there is said to be a fine line between fiction and nonfiction, and for many books that have _____ of both, it is _____ to try to determine which category a piece belongs in.
 - (A) constituents :: amenable
 - (B) mimics :: formidable
 - (C) pungency :: permissible
 - (D) facets :: impractical
 - (E) constituencies :: laborious
6. The candidate's popularity was sinking in the polls as election day drew near, despite the fact that he was _____ in his efforts to convince the American people that he was the best man for the job.
 - (A) relentless
 - (B) maverick
 - (C) celebrated
 - (D) productive
 - (E) auspicious

Bellow are passages followed by questions based on their content. If questions follow a pair of related passages, they may be based on either passage, or the relationship between them. Answer the questions on the basis the information stated or implied in the passages or in introductory material when provided.

Questions 7-10 are based on the following passages.

Passage 1

Las Vegas is a unique city in the American landscape in that its economy is sustained much like that of a third-world city. The vast majority of the city's income comes by way of visitors spending, as opposed to resident industry.

- 5 This parallels more the model of prosperity adhered to by cities that thrive in less developed countries, rather than that of the centers of commerce that populate the United States. Such dependence on tourism breeds a metropolitan consumer culture but also limits what opportunities are
10 available to the very residents upon which the visitors rely.

Passage 2

Las Vegas, now the epicenter of vice and hedonism, began as little more than a Mormon outpost, modest in scale and devout in temperament. It owes its very existence to geography, as it was selected to be a railroad stop in the
15 nineteenth century. The bloom of moral latitude is all the more striking when viewed against this canvas of an upstanding foundation. Mormons came to convert the American Indian population, bringing 30 missionaries from Salt Lake City, and eventually settling and developing
20 agricultural crops. How could these early men of the earth have foreseen what would become of the very soil they tilled?

7. Passage 1 implies what about the nature of Las Vegas?
- (A) Las Vegas stands apart from other American cities in terms of its fiscal dependencies.
 - (B) Las Vegas is similar to a third-world country in terms of population and customs.
 - (C) Most tourists from third-world countries visit Las Vegas because of their familiarity with the city.
 - (D) The glamour of Las Vegas is often overshadowed by its comparison to third-world countries.
 - (E) Las Vegas is unflinchingly representative of American ideals.

8. In Passage 1, the statement that "This parallels ... countries" (lines 5-6) suggests which of the following?
- (A) The tourist-based economy of Las Vegas is strikingly dissimilar to that of Asian and African countries.
 - (B) Money in Las Vegas comes from its local businesses, similar to that of third-world countries.
 - (C) Asian and African countries have a tourist-based economy in which money comes from outside sources, similar to that of Las Vegas.
 - (D) The tourists who frequent Las Vegas are just as likely to visit Asia or Africa.
 - (E) The economic advantages of living in Las Vegas far outweigh the disadvantages.
9. The two passages differ in their examination of Las Vegas in that only Passage 2 does which of the following?
- (A) Examines contrasting elements
 - (B) Discusses the importance of tourism in Las Vegas
 - (C) Views Las Vegas as a part of its surroundings
 - (D) Suggests alternatives to the gaming industry in Las Vegas
 - (E) Considers the origins of Las Vegas
10. The two authors would most likely agree on which point?
- (A) Las Vegas is nearly irrelevant when compared to more thriving cities in Asia and Africa.
 - (B) Las Vegas holds historical significance as a model of urban growth.
 - (C) Both Mormonism and the American Indian culture contributed to the rapid growth of Las Vegas.
 - (D) Casinos and other aspects of the gaming industry might destroy the culture of Las Vegas.
 - (E) It is difficult to understand Las Vegas unless it is viewed in context.

Questions 11-19 are based on the following passages.

The following passage is an excerpt from a series of articles on the history of medicine.

The medical show is now viewed as little more than a well organized swindle in which the purveyors of snake oil did their utmost to distract, enthrall and confuse the audience to the point that they were susceptible to being convinced, by surreptitious high pressure sales pitches, to part with their money. It is unfortunate that the American medicine show can no longer be seen from the perspective of the citizenry who frequented and sustained them in the eighteen hundreds. These shows were an organic response to the array of the demands made by those audience members, customers and patients, in an absence of suitable medical knowledge. At its core, the medicine show was entertainment, healthcare and commerce because that is what it had to be to remain solvent. They dispensed medicines that had their roots in both scientific and folkloric practices because neither they, nor their patients, had any better alternative.

What often promotes the idea of the fraudulence of the medicine show is the fact that it did not focus strictly on healthcare. A typical medicine show consisted of a group of traveling performers who entertained, cured and sold, usually in that order. To the modern patient, a doctor who also raps and hawks vitamins is off putting because this branching out would seem rooted solely in avarice. In contrast, the medicine show did not diversify out of want, but need. When wandering sparsely populated nineteenth century rural America, a medical show band had to attract every possible customer in order to sustain itself, just as the desert animals must find every source of water. Scarcity impedes the luxury of choice. Without the multiple streams of constant information and easy access to convenient transportation enjoyed by today's Americans, the life of the attendees of the medicine show would seem to be one of deprivation to the modern observer. The rural people who frequented the medicine show needed to gain whatever possible from each of the limited number of encounters they made. Those seeking curatives, those wanting entertainment, and those in need of supplies were all hopeful of having their needs met on those rare occasions when fulfillment was possible. The medicine show, in desperate need of clientele enjoyed by modern sellers, and recognizing the breath of desires their audiences possessed, would have been remiss in not taking advantage of every financial opportunity presented to them.

A dearth of available trustworthy medical information prevailed upon the medicine show to provide for their patients' medicines and elixirs which had roots in both folkloric and scientific traditions. This confluence of conflicting practices encourages the modern observer to assume that their medicines were most likely inert. America as a whole was without adequate health education

at the time of the medicine show. This absence meant that, in order to instill confidence in their patients, the medicine show had to provide for them medicine which was able to instill confidence in the patients without the benefit of third party endorsements. Reselling manufactured medicines might therefore not have been a viable occupation for the medicine show, as few were producing medicines that appealed to both of these diverse populations. Additionally, the production of healthcare products was not, at the time, the internationally regulated behemoth that it is today. Rural people were accustomed to creating for themselves their cures from what they could find in the world around them, and found the homemade concoctions of the medicine show far more familiar, and far less intimidating than manufactured medicine.

The death knell of the medicine show is often purported to be government regulations on false claims and an increased education and awareness about health care in society as a whole. Inherent in these hypotheses is the assumption that the medicine shows themselves were, by definition, devious. Few recognize that the medicine show fell pray to the same forces that doomed many rural traditions, and indeed many extinct species, the destruction of rural habitat by urban development.

11. The passage serves many to

- (A) correct a misconception
- (B) moderate an argument
- (C) castigate a constituency
- (D) explain a distinction
- (E) honor a figure

12. The author opens the passages by stating, "The medical show...money." (lines 1 – 6) in order to

- (A) explain the cause of a prejudice
- (B) illuminate the dangers of a con
- (C) justify the severity of a reaction
- (D) mythologize the roots of a tradition
- (E) protest the perpetration of a purloining

13. As used in line 16, the word "folkloric" most nearly means
- (A) fictional in nature
 - (B) health promoting
 - (C) based on tradition
 - (D) comically presented
 - (E) designed to satiate
14. The author references the "doctor" (lines 22 - 25) in order to
- (A) present an modern equivalent to the medicine show.
 - (B) extol the virtues of modern health care
 - (C) provide a humorous interpretation of medical ethics
 - (D) compare the work of physicians and musicians
 - (E) pinpoint the superiority of the modern patient
15. The simile involving "desert animal" on lines 28 - 29 implies all of the follow EXCEPT
- (A) rational for the medicine show's multifaceted nature
 - (B) biological ramifications of medicine shows
 - (C) cause of the audience's varied desires
 - (D) environment in which the medicine show operated
 - (E) difference between modern America and nineteenth century America
16. The statement on lines 30 - 37, "Without the ...made." explains which of the following about the audiences of the medicine show?
- (A) which seasons of year in which they were most likely to attend medicine shows
 - (B) the length of time most audience members were willing to spend at a given medicine show
 - (C) why they demanded the medicine show not act like traditional health care professionals
 - (D) some methods they employed to cope with brutally difficult environmental factors
 - (E) the rational behind their unwavering faith in the elixirs sold by the medicine shows
17. The opening two sentences of paragraph 3 serve mainly to
- (A) rectify the effects of a mistake
 - (B) illuminate the seeds of mistrust
 - (C) explain the cause of a misconception
 - (D) present the facts for an future argument
 - (E) mollify the victims of a misdeed
18. The author states, "This absence ... endorsements." (lines 52-56) to demonstrate that medicine shows
- (A) took advantage of peoples ignorance about health care
 - (B) sought to improve health education through entertainment
 - (C) alleviated the federal governments burden of educating rural America
 - (D) left much of the health care work to federal agencies
 - (E) were forced to take actions that now make them appear corrupt
19. Which statement, if true, would most support the main purpose of the final paragraph?
- (A) Broad reaching health codes did not take effect until the 1940's.
 - (B) The medicine show is was successful in both urban and rural environments.
 - (C) Few medicine shows were ever convicted of false advertising or fraud.
 - (D) Most medicine show audience members did not purchase anything from the show.
 - (E) Health care education was strongest in rural environments.

STOP

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

Section 8

Time--30 minutes

16 Questions

Mark your answers in the row of your answer sheet labeled Section 8

Directions: You have 25 minutes to complete both types of questions found in this section. Questions 1-8, require you to solve each choose the best of the answer choices given. Fill in the corresponding circle on the answer sheet. No credit will be given for answers marked on the test booklet, though you may use it for

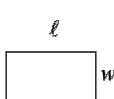
- The use of a calculator is permitted
- Only real numbers are used
- The figures that accompany a problem are drawn accurately UNLESS it is stated that they are not drawn to scale.
- Unless restrictions are placed on them, assume that the domain and range of each function is all real numbers.
- Assume that all figures are two dimensional plane figures unless otherwise specified.

Reference Information



$$A = \pi r^2$$

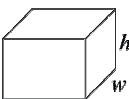
$$C = 2\pi r$$



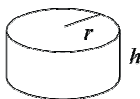
$$A = \ell w$$



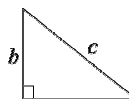
$$A = \frac{1}{2}bh$$



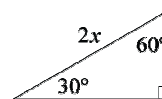
$$V = \ell wh$$



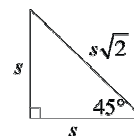
$$V = \pi r^2 h$$



$$c^2 = a^2 + b^2$$



Special Right Triangles



The number of degrees of arc in a circle is 360.

The sum of the measures in degrees of angles of a triangle is 180.

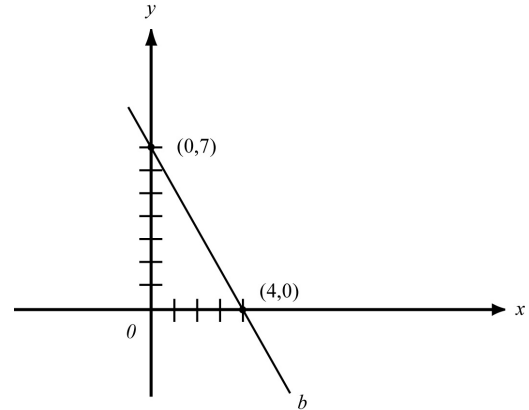
1. Based on the two equations above, what is the value of $a - b$?
- (A) -2
(B) 0
(C) 2
(D) 4
(E) 12

2. The points A, B, C, D , and E lie in a straight line in that order. If $AB = CD$, $BD = 20$, $CE = 25$, and $AB = 7$, what is the length of AE ?

- (A) 20
(B) 38
(C) 45
(D) 52
(E) 90

3. If $\frac{a}{b}$ is an integer and $\frac{\sqrt{a}}{b}$ is NOT an integer, which of the following could be the values of a and b ?

(A) $a = 1, b = 1$
(B) $a = 1, b = 2$
(C) $a = 2, b = 4$
(D) $a = 4, b = 2$
(E) $a = 4, b = 4$



4. In the xy coordinate plane, line b intersects points $(0, 7)$ and $(4, 0)$. If line c (not shown) is perpendicular to line b then what is the slope of line c ?

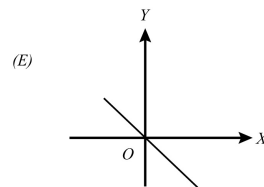
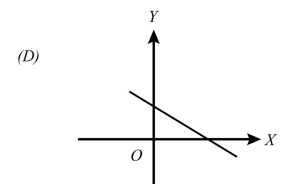
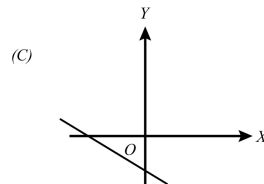
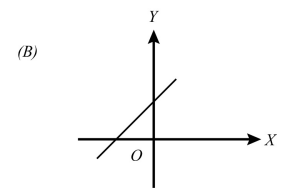
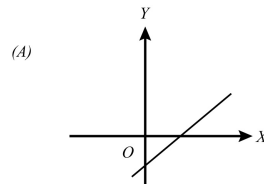
(A) $-\frac{7}{4}$
(B) $-\frac{4}{7}$
(C) $\frac{4}{7}$
(D) $\frac{7}{4}$
(E) 28

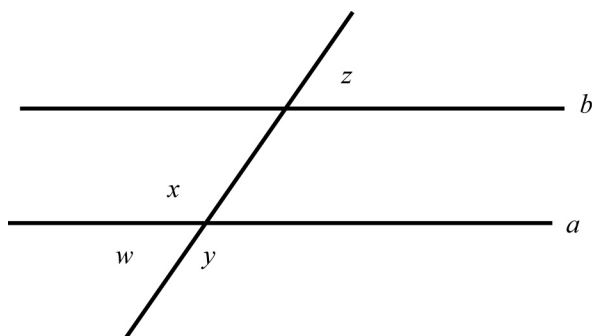
A = the box must be red
B = the box must be stored
C = things to store are always red

5. Based on the statements above, which of the following must be true?

(A) If A, then B and C
(B) If B and A, then C
(C) If B, then A and C
(D) If C and A, then B
(E) If B and C, then A

6. $Ax + By = C$. If $A < 0$ and $B > 0$ and $C < 0$, then which of the following represents the graph of $Ax + By = C$ in the xy coordinate plane?





Note: Figure not drawn to scale.

7. In the figure above, line $a \parallel$ line b . If $x = w + 10$, then which of the following is the value of z ?
- (A) 80
 (B) 85
 (C) 95
 (D) 100
 (E) 110

Average Temperature in City A (1998-2002)

Year	Temperature
1998	72
1999	70
2000	68
2001	t
2002	69

8. In the table above, if the average (arithmetic mean) of the temperatures for City A from 1998 to 2002 is $t + 3$, then which of the following could be the value of t ?
- (A) 66
 (B) 67
 (C) 69
 (D) 72
 (E) 73

9. A is a series of 3 consecutive odd integers. B is a series of 4 consecutive odd integers. The smallest value in A is equal to the smallest value in B. If the sum of the 4 integers in B is 15 more than the sum of the 3 integers in A, then what is the product of the largest integer in A and the largest integer in B?
- (A) 15
 (B) 35
 (C) 45
 (D) 63
 (E) 195

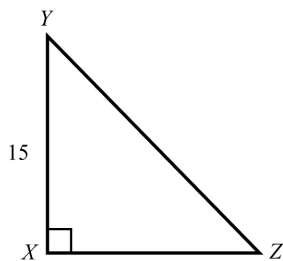
x	$f(x)$	$g(x)$
-1	0	9
0	1	4
1	3	2
2	5	0
3	11	-1

10. The functions f and g are defined for all integer values of x such that $-1 < x < 3$. The values of $f(x)$ and $g(x)$ are shown in the table above. What is the value of $f(g(2))$?

(A) -1
(B) 0
(C) 1
(D) 2
(E) 3

11. The points X , Y , and Z all lie on a straight line d (not shown) where Y is the midpoint of \overline{XZ} . Point W is not on line d and $WY = XY$. $m\angle WYZ$ measures 60° . Which of the following angles is the greatest?

(A) $\angle XYW$
(B) $\angle XWY$
(C) $\angle YWZ$
(D) $\angle WXY$
(E) $\angle WZY$



12. In the figure triangle XYZ is a right triangle, with $\angle X$ as the right angle. If $XZ = m$, then in terms of m what is the perimeter of triangle XYZ?

- (A) $m^2 + m + 15$
- (B) $m^2 + m + 240$
- (C) $\sqrt{15 + m} + m + 15$
- (D) $\sqrt{225 + m^2} + m + 15$
- (E) $2m + 30$

13. An artist wants to cover a cube with 2 by 3 tiles. The cube has sides of length 6. If the artist is going to cover 5 sides completely, and only half of the final side, how many tiles will he need?

- (A) 31
- (B) 33
- (C) 168
- (D) 180
- (E) 182

-
14. Let the function f be defined as $f(x) = 4 - x$. Let

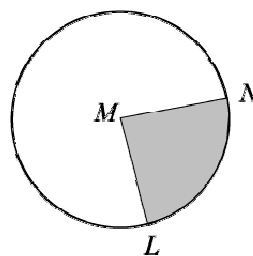
function g be defined as $g(x) = \frac{1}{-f(x)}$. Which of the

following represents the domain of the function g ?

- (A) All real numbers
- (B) $x > 4$
- (C) $x \neq 4$
- (D) $x \neq -4$
- (E) $x < -4$

15. If $\frac{x}{2}$ is an odd integer, and $\frac{x}{3}$ is an even integer, which of the following cannot be a factor of x ?

(A) 3
(B) 4
(C) 5
(D) 6
(E) 7



16. In the figure above, the shaded region of the circle bounded by L , M and N represents a slice of the circle with $m\angle M = 90^\circ$. If the area of the shaded region is f , and the radius of the circle is r , then in terms of f , what is the value of r^2 ?

(A) $\frac{4f}{\pi}$
(B) $4f\pi$
(C) $9f\pi$
(D) $\sqrt{\frac{f\pi}{9}}$
(E) $\sqrt{\frac{4f}{\pi}}$

STOP

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.

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Section 9

Time--15 minutes

14 Questions

Mark your answers in the row of your answer sheet labeled Section 9

Directions: For each question in this section, select the best answer from among the choices given and fill in the corresponding circle on the answer sheet.

Bellow, part or all of each sentence is underlined. The five answer choices below each sentence present five different ways of phrasing the underlined material. Choice A repeats the original phrasing; the other four choices are different. Chose the answer choice which represents the best phrasing of the underlined portion. If you feel the original wording is better than any of the other answer choices, select A.

Follow the requirements of standard written English: grammar, choice of words, sentence construction, and punctuation are all relevant.

Example:

Pele was the greatest soccer player of his generation, but he was then the most famous.

- (A) but he was then the most famous
- (B) and he was the most famous
- (C) at the time when he was the most famous
- (D) while being the most famous
- (E) and more than that was the most famous

Answer: B

1. The members of the theater club were looking forward to their question and answer session with the actors, this excitement gave them the fortitude to sit attentively through all five acts of *Richard III*.
 - (A) this
 - (B) and this
 - (C) however, their
 - (D) that
 - (E) because their
2. Popular management philosophies can be of lasting value, but so many "biz-cults" abound that it can be difficult to distinguish fact-based and fabricated theories.
 - (A) fact-based and fabricated theories
 - (B) fact-based to fabricated theories
 - (C) between fact-based and fabricated theories
 - (D) between fact-based from fabricated theories
 - (E) fact-based pieces from those that are fabricated theories
3. He is best known as the creator of the first commercially available portable computer, and Adam Osborne also founded a publishing company that specializes in easy-to-read computer books.
 - (A) He is best known as the creator of the first commercially available portable computer, and Adam Osborne
 - (B) Best known as the creator of the first commercially available portable computer, Adam Osborne
 - (C) Adam Osborne, best known as the creator of the first commercially available personal computer, and he
 - (D) Adam Osborne is best known as the creator of the first commercially available personal computer, and he
 - (E) Being best known as the creator of the first commercially available portable computer, Adam Osborne

4. The most important factor a president must consider in selecting a Supreme Court nominee is ideological compatibility, another that weighs almost as heavily is likelihood of Senate confirmation.
- (A) compatibility, another that weighs
(B) compatibility; another one that weighs
(C) compatibility, the other, and it weighs
(D) compatibility; another one which is weighing
(E) compatibility and also weighing
5. The opening band excelled perhaps even more in songwriting than either performance or musicianship.
- (A) either performance or musicianship
(B) in both the performances or in musicianship
(C) in either performance or musicianship
(D) either in performance or with their musicianship
(E) in either performance or in musicianship
6. The French Revolution of 1789-1799, though it was marked by vast bloodshed, brutal repression, and periods of near-anarchy, actually paved the way for the establishment of legal equality among all citizens, in France and elsewhere in Europe.
- (A) near-anarchy, actually paved
(B) near-anarchy, actually paving
(C) near-anarchy, actually it had paved
(D) near-anarchy; actually paved
(E) near-anarchy, and it paved
7. Last week, we tried to take the flooded road to the beach.
- (A) tried to take
(B) were trying to take
(C) took and were trying
(D) try to take
(E) try taking
8. In the wake of the British Labour Party's rise to power in 1997, all but 92 hereditary peers were faced with expulsion from Parliament's upper house; because of the House of Lords Act 1999 was why.
- (A) because of the House of Lords Act 1999 was why
(B) the House of Lords Act 1999 being the reason
(C) with the House of Lords Act 1999 as the reason
(D) this reform was the result of the House of Lords Act 1999
(E) this reform came from came from the House of Lords Act 1999 after its passage
9. The junior varsity football team, though trying to stay focused during the day's second practice, are enjoying the crisp air and bright sunshine of the autumn afternoon and won't be able to concentrate on the scrimmage for much longer.
- (A) practice, are enjoying the crisp air and bright sunshine of the autumn afternoon and won't be able to
(B) practice are enjoying the crisp air and bright sunshine of the autumn afternoon and aren't able to
(C) practice, is enjoying the crisp air and bright sunshine of the autumn afternoon and won't be able to
(D) practice is enjoying the crisp air and bright sunshine of the autumn afternoon and they won't be able too
(E) practice, are enjoying the crisp air and bright sunshine of the autumn afternoon and they won't be able to
10. Among the most striking camouflage mechanisms in the animal kingdom is the striped pattern of the tiger; allowing tigers to conceal themselves amongst dappled shadows or long grass as they stalk prey.
- (A) tiger; allowing
(B) tiger and it allows
(C) tiger, and allowing
(D) tiger, allowing for
(E) tiger, which allows
11. Sometimes filming at speeds as low as 16 frames per second, silent movies could appear fast and jerky.
- (A) filming
(B) while filming
(C) by filming
(D) an effect of filming
(E) filmed

12. When you watch a break-dance routine, one may notice moves borrowed from both gymnastics and the martial arts.

- (A) one may notice moves borrowed from
- (B) move noticed by you may be borrowed from
- (C) you may notice moves borrowed from
- (D) one noticing moves borrowed from
- (E) you noticed moves borrow

13. The reason for the failure of many artists is that it lacks the ability to connect with the audiences.

- (A) that it lacks
- (B) that their art lacks
- (C) due to the art lacking
- (D) because of them lacking
- (E) they will lack

14. While on a hike, the cactus with the beautiful blooms caught the attention of the couple.

- (A) the cactus with the beautiful blooms caught the attention of the couple.
- (B) the cactus which had the beautiful blooms caught the couple's attention.
- (C) the attention of the couple was caught by the cactus with the beautiful blooms.
- (D) the couple had their attention caught by the cactus with the beautiful blooms.
- (E) the couple's attention was caught by the cactus with the beautiful blooms.

STOP

If you finish before time is called, you may check your work on this section only.
Do not turn to any other section in the test.