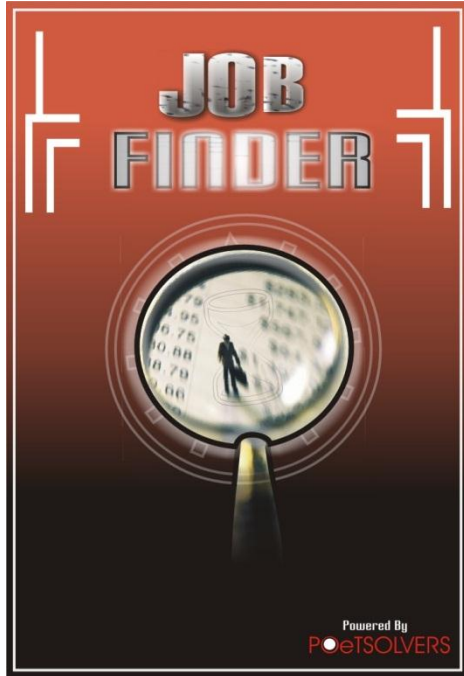




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PRACTICE TEST 1

The following passage applies to Questions 1-5

Six people – Graham, Helen, Irving, Johnny, Kevin, and Louise- enter an elevator on the ground floor, with higher floors numbered 1 through 6. The elevator passengers select their floors and the elevator begins rising. Whenever the elevator stops, someone gets off. Nobody else gets on the elevator at any time. Everyone will exit the elevator on one of the six numbered floors, but no more than two will get off at any one floor. The following rules are true:

Graham gets out before Johnny.

If Helen leaves the elevator on Level 3, then Graham will also get out on Level 3.
Irving gets out on either Level 1 or Level 6.

Johnny and Kevin will not get out at the same floor.

1. If all six people get out on separate floors, then which of the following could be the order in which they leave the elevator, from first to last?
 - (a) Graham, Johnny, Helen, Kevin, Louise, Irving
 - (b) Johnny, Helen, Graham, Louise, Kevin, Irving
 - (c) Helen, Graham, Johnny, Kevin, Irving, Louise
 - (d) Graham, Louise, Kevin, Helen, Johnny, Irving
 - (e) Irving, Helen, Louise, Johnny, Kevin, Graham
2. If Graham gets out on Level 4, which of the following is a complete list of people who could get out on Level 3?
 - a. Johnny and Louise
 - b. Kevin and Louise
 - c. Helen and Louise
 - d. Helen and Kevin
 - e. Helen, Johnny, Kevin, and Louise
3. If Graham and Irving leave the elevator together, which of the following statements must be true?
 - a. Kevin and Louise get out together.
 - b. David gets out alone.
 - c. Helen gets out at Level 4.
 - d. Graham gets out at Level 1.
 - e. Nobody gets out at Level 3.
4. If nobody out of the elevator on either Level 1 or Level 2, which of the following could be true?

- a. Graham and Irving get out on Level 4.
 - b. Helen and Johnny get out on Level 3.
 - c. Graham and Johnny get on Level 6.
 - d. Kevin gets out alone on Level 5.
 - e. Louise gets out alone on Level 6.
5. If Helen and Irving each get out of the elevator alone, which of the following must be true?
- a. Irving gets out on Level 6.
 - b. Johnny and Kevin get out on Level 3.
 - c. Helen does not get out on Level 3.
 - d. Graham gets out first.
 - e. Kevin and Louise both get out on Level 5.
6. Sixty-five percent of the graduating class of Hamilton High School, a public high school in the middle of the city, will go on to attend college after graduation. The Harris Academy High School, an expensive private school in the same area, will send approximately 95 percent of its graduates to college. Many parents, realizing this information, believe that sending their children to Harris Academy High School will mean that their children will get a better education than they would get at Hamilton High School.
- Which of the following statements, if true, would most indicate the flaws in the parents' reasoning?
- a. Until 1992, Harris Academy High School was exclusively a girls' school but Hamilton High School has always been coeducational.
 - b. Harris Academy High School requires students to pass an admission examination before entering, but Hamilton High School admits all applicants who live in city.
 - c. Hamilton High School has problems with severe student violence during school hours.
 - d. Harris Academy High School has a higher percentage of students attending Ivy League colleges than any other high school in the state.
 - e. Hamilton High school receives its funding from local property taxes, while Harris Academy High School receives funding from tuition costs and from alumni donations.
7. A poll of all voters in the state shows that only 9 percent of all people who voted were younger than 25 years old. Based on this result, many people have drawn the conclusion that young Americans are not as interested in voting as older

generations are. This conclusion becomes troublesome when considered in contrast to the percentage of young people who participate in other activities. Which of the following statement, if true, would most seriously weaken this author's conclusion?

- a. The number of voters in the state under the age of 25 has increased for each of the past five years.
 - b. The average age of all voters in the state is 60 years old.
 - c. Of all people in the state who are old enough to vote, only 13 percent are younger than 25 years old.
 - d. Most of the voters in the state are registered as either Democrats or Republicans, but the winning candidate is an Independent.
 - e. The total number of voters this year was the lowest it has been in 10 years.
8. Educational research has demonstrated a positive correlation between high scores on a certain standardized admission test and a student's probability of graduating from college. Over the past 10 years, more girls from New England high schools have graduated from college than from any other part of the country. Therefore, girls from New England high schools must be the group of students with the highest scores on the standardized admission test. The structure of the argument above is most like the structure of which of the following arguments?
- a. Most modern famous musicians get their start in very good high school music programs. More great jazz trumpeters have come from New Orleans than any other part of the country. Therefore, one can conclude that high schools in New Orleans have the best music programs.
 - b. More famous chefs work in San Francisco than in any other major city in the United States. As a result, one can conclude that San Francisco has more cooking schools than any other major city in the country.
 - c. Students from New England attend Ivy League universities more than state universities, while students in the Midwest are more likely to attend state universities. Therefore, the students in New England must have higher standardized test scores.
 - d. The states in the southern half of the United States are less likely to have snow than the states in the northern half of the country. Therefore, most Olympic skiers must have lived in the northern half of the country.
 - e. Women who have had two or more children are much less likely to develop medical problems late in life than women who have had no

children. As a result, if the population continues to increase, the average age of women in the country will also increase.

The following passage applies to Question 9 – 14

Seven people, Steve, Tom, Unger, Violet Willy, Xania, and Yolanda, are riding the late train home after work. They all leave the train at different stops, according to the following conditions:

Steve leaves the train before Unger

Violet and Tom, both leave after Unger

Willy leaves the train third.

9. Which of the following could be the order in which passengers leaves the train, from first to last?
 - a. Steve, Xania, Willy, Violet, Yolanda, Unger, Tom
 - b. Yolanda, Steve, Unger, Violet, Tom, Willy, Xania
 - c. Xania, Steve, Willy, Unger, Yolanda, Tom, Violet
 - d. Tom, Xania, Willy, Steve, Unger, Yolanda, Violet
 - e. Xania, Yolanda, Willy, Steve, Tom, Unger, Violet
10. All of the following could be the order in which the passengers leave the train, from first to last, EXCEPT:
 - a. Steve, Xania, Willy, Unger, Yolanda, Violet, Tom
 - b. Xania, Yolanda, Willy, Steve, Unger, Tom, Violet
 - c. Yolanda, Steve, Willy , Xania, Violet, Tom, Unger
 - d. Xania, Yolanda, Willy, Steve, Tom, Unger, Violet
 - e. Steve, Unger, Willy, Tom, Xania, Violet, Yolanda
11. Which of the following could never be the last one off the train?
 - (a) Tom
 - (b) Unger
 - (c) Violet
 - (d) Xania
 - (e) Yolanda
12. Which of the following is a complete list of everyone who could NOT be the first person off the train?
 - a. Tom, Unger, Violet
 - b. Steve, Tom, Unger
 - c. Steve, Tom, Unger, Violet

- d. Tom, Unger, Violet, Willy
 - e. Tom, Unger, Violet, Willy, Xania
13. If Willy leaves the train before both Unger and Xania, which of the following statements must be true?
- (a) Xania leaves the train last
 - (b) Yolanda leaves the train after Steve
 - (c) Tom and Xania both leave the train after Unger
 - (d) Tom and Violet both leave the train after Yolanda
 - (e) Steve leaves the train first
14. If Steve is not the first person to leave the train which of the following statement must be false?
- (a) Unger leaves the train before Willy
 - (b) Tom leaves the train after Xania
 - (c) Xania leaves the train before both Willy and Yolanda
 - (d) Willy leaves the train before both Tom and Violet
 - (e) Tom leaves the train last.

The following passage applies to Question 15 – 18

Six people, Alan, Betty, Charles, David, Elmer, and Faith, compete in a cooking contest at the country fair. Their finishing positions at the end of the contest are as follows:

Alan finishes neither first nor last.

Betty finishes ahead of both Charles and David

Elmer finishes in third place.

15. Which of the following could be the finishing order of the six contestants, from first place to last?
- a. Betty, Faith, Elmer, Alan, David, Charles
 - b. Betty, Elmer, Charles, David, Alan, Faith
 - c. Alan, Faith, Elmer, Betty, Charles, David
 - d. Faith, Charles, Elmer, Betty, Alan, David
 - e. Betty, Faith, Elmer, Charles, David, Alan
16. All of the following could be a complete and accurate list of the finishing order of the six contestants EXCEPT:
- a. Betty, Faith, Elmer, Alan, David, Charles

- b. Betty, Alan, Elmer, Faith, Charles, David
 - c. Faith, Alan, Elmer, David, Charles, Betty
 - d. Faith, Betty, Elmer, Alan, Charles, David
 - e. Betty, David, Elmer, Charles, Alan, Faith
17. Which of the following is a complete and accurate list of all contestants who could finish first?
- a. Betty or Elmer
 - b. Betty or Faith
 - c. Betty, Charles, or David
 - d. Betty, Charles, or Faith
 - e. Betty, Charles, David, or Faith
18. Which of the contestants could finish either first or last?
- a. Betty
 - b. Charles
 - c. David
 - d. Elmer
 - e. Faith

The following passage applies to Question 19-22

An office director is selecting employees to attend two different combinations of meetings at a conference, Meeting Package A and Meeting Package B. Each Meeting Package must have four members, selected from a group of five accountants, Ed, Frank, Gina, Holly, and Ilsa, and five managers, Lisa, Marvin, Nancy, Oliver, and Paula. In selecting Meeting Package members, the director must follow these guidelines:

Each Meeting Package must have exactly four employees.

No employee may be chosen for both Meeting Packages at the same time

Meeting package A may not have more managers than accountants.

Ed and Lisa may not be chosen for the same Meeting Package.

Frank may only be chosen for Meeting Package A

If Gina is chosen for Meeting Package A, then Holly must be chosen for Meeting Package A.

If Holly is chosen for Meeting Package B, then Gina must be chosen for Meeting Package B

If Paula is chosen for either Meeting Package, then Ilsa may not be chosen for either Meeting package.

19. Which of the following could be a complete and accurate list of the employees chosen for the two Meeting Packages?

Meeting

Meeting

Package A

Package B

- | | | |
|-----|-----------------------------|---------------------------|
| (a) | Ed, Ilsa, Nancy, Oliver | Frank, Holly, Gina, Paula |
| (b) | Ed, Holly, Marvin, Nancy | Lisa, Gina, Oliver, Paula |
| (c) | Gina, Marvin, Oliver, Frank | Ilsa, Lisa, Nancy, Holly |
| (d) | Frank, Lisa, Marvin, Nancy | Ed, Gina, Oliver, Paula |
| (e) | Ilsa, Frank, Nancy, Oliver | Ed, Marvin, Gina, Holly |
20. If Holly is chosen for Meeting Package B, which of the following must be true?
- Lisa must be chosen for Meeting Package B.
 - Lisa and Marvin must both be chosen for Meeting Package B
 - Paula may not be chosen for Meeting Package A
 - Ed may not be chosen for meeting Package B
 - Lisa may not be chosen for meeting Package A
21. If Ed is not chosen for either Meeting Package, then which of the following MUST be chosen?
- Lisa
 - Holly
 - Frank
 - Nancy
- I and II
 - I and III
 - I, II, and IV
 - II, III, and IV
 - I, II, III, and IV
22. Who may NOT be chosen for Meeting Package B together with Holly?
- Gina and Nancy

- (b) Marvin and Oliver
 - (c) Ed and Paula
 - (d) Paula and Lisa
 - (e) Lisa and Marvin
23. An advertisement on a billboard displays the message to passing motorists, "Honk if you don't use Blind-O Window Cleaner." Based on this advertisement, which of the following statement can be concluded?
- (a) A driver who reads the sign and then honks in response to it must not use Blind-O Window Cleaner.
 - (b) A driver who does not use Blind-O Window Cleaner will not honk after reading the sign.
 - (c) Based on this advertisement, it is impossible to determine a motorist's use of Blind-O Window Cleaner if that motorist does not honk after reading the sign
 - (d) If a driver uses Blind-O Window Cleaner, he or she will not honk after reading the sign.
 - (e) A driver who reads the sign and then does not honk must not use Blind-O Window Cleaner.
24. In 1994, Tom bought a new foreign import automobile. In 1996, the electrical system in Tom's car developed severe problems that required expensive repairs. Now Tom has concluded that the manufacturer of his automobile makes cars of inferior quality, and he refuses ever to buy another car from that manufacturer again.
- Which of the following statements represents Tom's major assumption?
- (a) Once a car's electrical system breaks down, it can never be repaired adequately so that it functions as well as it did before the problem occurred.
 - (b) Cars are not built as well in 1996 as they were in 1994.
 - (c) Domestic cars are more reliable than import cars.
 - (d) The problems that occurred to Tom's car are representative of what will happen with all cars from the same manufacturer.
 - (e) From one year to the next, manufacturers do not usually make complete changes in the electrical systems they put in the cars they make.
25. Two Congressmen were both elected in the same year. Since their election, Representative Smith has always voted exactly the same as Representative Brown on every issue. Representative Brown has just been recalled by his district

and will be replaced by newly elected Representative Jones. Therefore, it is clear that Representative Smith should also be recalled and replaced.

Which of the following statement, if true, would most strengthen the above argument?

- a. Representative Smith has radical ideas that are very different from the views of the great majority of the voters in his district
- b. Representative Smith is a Republican, but Representative Brown is a Democrat.
- c. Representative Smith and Representative Brown were both elected from the same district.
- d. Representative Smith and Representative Brown were elected from different districts.
- e. Representative Smith's age is closer to the average age of the voters in his district than Representative Brown's is to the age of the voters in his own district.

PRACTICE TEST 2

The following passage applies to Questions 1-5

Six newspapers, the *Globe*, the *Tattler*, the *Imprint*, the *Newsmag*, the *Spectator*, and the *Dialer*, compete for subscription customers in a large city. The following information has been found to be true about the circulation of the six newspapers:

The *Tattler* has more subscribers than any other newspaper.

The *Imprint* has more subscribers than the *Globe*

The *Newsmag* has more subscribers than at least two other papers

Whenever the *Imprint* gets more subscribers than the *Spectator*, then the *Dialer* will also have more subscribers than the *Spectator*.

No two newspapers ever have the same number of subscribers.

1. Which of the following is a possible listing of the six newspapers in order from fewest subscribers to most?
 - (a) *Globe, Newsmag, Spectator, Imprint, Dialer, Tattler*
 - (b) *Imprint, Dialer, Spectator, Globe, Newsmag, Tattler*

- (c) *Newsmag, Spectator, Dialer, Globe, Imprint, Tattler*
 (d) *Spectator, Dialer, Newsmag, Globe, Imprint, Tattler*
 (e) *Dialer, Spectator, Newsmag, Globe, Imprint, Tattler.*
2. Which of the following newspapers could have the fewest subscribers?
- I. *Spectator*
 II. *Globe*
 III. *Newsmag*
 IV. *Dialer*
- (a) I and II
 (b) II and II
 (c) I, II, and III
 (d) I, III, and IV
 (e) I, II, and IV
3. If *Spectator* has more subscribers than *Dialer*, then which of the following statements must be true?
- (a) *Globe* has the fewest subscribers
 (b) *Newsmag* has more subscribers than exactly three other newspapers
 (c) *Spectator* has more subscribers than *Imprint*
 (d) *Spectator* has the second most subscribers
 (e) *Dialer* has third most subscribers.
4. If the *Globe* has the fourth most subscribers, then which of the following statements could be false?
- (a) *Dialer* has the fifth most subscriptions
 (b) *Spectator* has the fewest subscriptions
 (c) *Newsmag* has more subscriptions than *Globe*
 (d) *Imprint* has more subscriptions than any paper except *Tattler*
 (e) *Imprint* has more subscriptions than *Dialer*.
5. If only two newspapers had lower circulations than *Imprint*, all of the following could be true EXCEPT:
- (a) *Newsmag* has the second most subscriptions
 (b) *Globe* has the fewest subscriptions
 (c) *Globe* has more subscriptions than *Dialer*
 (d) *Globe* has more subscriptions than *Newsmag*
 (e) *Newsmag* has fewer subscription than *spectator*

Questions 6 and 7 are based on the following statements:

Since the late 1970s, the rate of inflation in the United States had declined at an impressive rate. However, over the same period of time, incidents of violent crime in

the nation's largest cities have been growing worse, with the number of murders and assaults increasing steadily. In order to solve this problem the Federal Reserve needs to act immediately to return our inflation rate to the same level we had in 1979.

6. Which of the following does the author assume in making the above argument?
 - I. The crime rate in the nation's largest cities is inversely related to the nation's inflation rate.
 - II. Inflation is the unwanted result of a number of economic factors and has many negative effects on consumers
 - III. The Federal Reserve has the ability to take certain actions, and those actions can affect the nation's inflation rate.
 - (a) II only
 - (b) I and II
 - (c) I and III
 - (d) II and III
 - (e) I, II, and III
7. Which of the following statements, if true, would most seriously weaken the above argument?
 - (a) Recent legislation passed by Congress removes the powers of the Federal Reserve to act alone without approval of the President.
 - (b) In 1985, both the nation's inflation rate and the crime rate were higher than they are now and higher than they were in 1979.
 - (c) Crimes that occur in new York City are generally more violent and more repugnant to society than crimes that occur in more rural communities.
 - (d) The inflation rate declined faster in the 1980s than it has in the 1990s.
 - (e) In some parts of the country, serious crime is almost nonexistent and has never been a problem.
8. Many states have recently passed versions of a law commonly referred to as "Megan's Law". This law requires individuals who have been convicted of sexual abuse of women or children to notify the local police and certain other agencies upon moving into a new community. As a result of this law, we can now expect repeat offenses of such sexual abuse to decrease significantly. Which of the following statements could proponents of "Megan's Law" use to reinforce the conclusion of this argument?
 - (a) Children do not usually fabricate reports of sexual abuse, so the conviction rate for identified suspects in this area is much higher than for other crimes.

- (b) Sociologists have conducted studies that show that people generally prefer not to live in communities where they know that convicted criminals may be living.
- (c) Experimental programs requiring people convicted of drunk driving to use special license plates identifying them have resulted in much lower rates of repeat drunk driving offenses.
- (d) When members of a community are informed of the identity of someone convicted of sex-related crimes, those community members become more careful to protect their children and to avoid contact with that person.
- (e) Nationally, the rate of child abuse has been steadily declining since the mid-1980s.

The following passage applies to Question 9-14

Main street runs from west to east through the business district of downtown Applebury. In one block of Main Street, there are five buildings on the north side of the street, numbered from 1 to 5 consecutively from west to east, and five building on the south side of the street, numbered from 6 to 10 consecutively from west to east. The zoning commission for Applebury has to place seven stores, named ABC Learning, Bell Bottom Jeans, Cat Supplies Plus, Danny's Hobbies, Everything's Roses, Frank's Auto, and "Gotta Dance" Studio, in the shops on Main Street according to the following conditions:

ABC Learning and Cat supplies Plus may not be on the same side of the street.

Neither Cat Supplies Plus nor Everything's Roses may be adjacent to Frank's Auto.

Bell Bottom Jeans and Danny's Hobbies must be on opposite ends of the same side of the street.

Danny's Hobbies and Everything's Roses are both in odd-numbered buildings.

Frank's Auto is in Building 7

9. Which of the following could be a list of stores on the north side of Main Street, from Building 1 to Building 5?
- (a) Everything's Roses, "Gotta Dance" Studio, empty, ABC Learning, Danny's Hobbies.

- (b) "Gotta Dance" Studio, Cat Supplies Plus, empty, ABC Learning, Everything's Roses.
 - (c) Bell Bottom Jeans, ABC Learning, Cat Supplies Plus, empty, Danny's Hobbies.
 - (d) Danny's Hobbies, empty, Cat Supplies Plus, "Gotta Dance" Studio, Bell Bottom Jeans.
 - (e) Empty, Danny's Hobbies, empty, "Gotta Dance" Studio, Everything's Roses.
10. Which of the following could be a list of stores on the south side of Main Street, from Building 6 to Building 10?
- (a) "Gotta Dance" Studio, Frank's Auto, ABC Learning, empty, Cat Supplies Plus
 - (b) Bell Bottom Jeans, Frank's Auto, ABC Learning, "Gotta Dance" Studio, Danny's Hobbies
 - (c) "Gotta Dance" Studio, Frank's Auto, empty, empty, Cat Supplies Plus.
 - (d) Danny's Hobbies, Frank's Auto, "Gotta Dance" Studio, Everything's Roses, ABC Learning
 - (e) "Gotta Dance" Studio, Frank's Auto, Cat Supplies Plus, empty, ABC Learning.
11. If neither Building 6 nor Building 8 is left vacant, which of the following statements must be true?
- (a) ABC Learning is in Building 6
 - (b) Cat Supplies Plus is in Building 10
 - (c) There are more vacant buildings on the north side of Main Street than on the south side.
 - (d) Building 9 is left vacant
 - (e) Building 10 is left vacant.
12. If Everything's Roses and Frank's Auto are on opposite sides of the street, then which of the following statements must be false?
- (a) Building 3 is left vacant
 - (b) ABC Learning is in Building 8
 - (c) Building 9 is left vacant
 - (d) Cat supplies Plus is in Building 10
 - (e) Bell Bottom Jeans is in Building 5
13. If ABC Learning and Frank's Auto are on opposite sides of Main Street, then which of the following statements could be false?
- (a) Cat Supplies Plus is on the south side of Main Street
 - (b) Everything's Roses is in Building 9

- (c) Either Building 6 or Building 8 is left vacant
 - (d) At most, two stores on the north side are left vacant
 - (e) ABC Learning is in a lower numbered store than Cat Supplies Plus.
14. Which of the following situations is/are impossible under the given conditions?
- All stores on the north side of Main Street may be occupied.
 - All stores on the south side of Main Street may be occupied*
 - All even-numbered stores may be occupied.
- (a) I only
 - (b) II only
 - (c) III only
 - (d) I and II only
 - (e) II and III only

The following passage applies to Question 15-18

Six students of foreign languages, Annie, Betty, Clinton, Dennis, Edmund, and Frieda, are seated together. They do not all speak the same language, but enough of them speak the same languages that they can translate for each other.

Annie and Dennis speak only English, French, and Spanish.

Betty speaks only English, French, and Swedish.

Clinton speaks only German and Spanish

Edmund speaks only Spanish.

Frieda speaks only Swedish

15. Which language is spoken by the most students?
- (a) English
 - (b) French
 - (c) German
 - (d) Spanish
 - (e) Swedish
16. Which of the following students could talk to each other without a translator?
- (a) Annie and Frieda
 - (b) Betty and Clinton
 - (c) Betty and Edmund
 - (d) Edmund and Frieda

- (e) Betty and Frieda
17. Who could act as a translator for a conversation between Betty and Clinton?
- I. Annie
 - II. Dennis
 - III. Edmund
 - IV. Frieda
- (a) I only
 - (b) I and II
 - (c) I, II, and III
 - (d) II, III, and IV
 - (e) I, II, and IV
18. If Clinton and Frieda wish to talk to each other, what is the fewest number of translators they would need?
- (a) 0
 - (b) 1
 - (c) 2
 - (d) 3
 - (e) 4

The following passage applies to Questions 19-22

At a summer camp, the campers play a game called "Capture the Flag". To play the game, the campground is divided into two halves by a border line that runs from north to south, cutting the camp exactly in half. Team A is on the west side of the line, and Team B is on the east side of the line. A total of 10 safe bases, called "outposts," are evenly divided between the two teams on their own side of the dividing line and are placed as follows:

Outposts 1, 2, and 3 belong to Team A

Outposts 4, 5, and 6 belong to Team B

Outpost 1 is farther north than any other outpost.

Outpost 6 is farther south than any other outpost.

Outpost 7 is farther west than any other outpost

Outpost 10 is farther east than any other outpost

Outpost 5 is due east of Outpost 2

19. Which of the following could be a complete list of Team A's outposts?
- (a) 1,2,3,4,10
 - (b) 1,2,5,7,9
 - (c) 1,2,3,5,7
 - (d) 1,2,3,7,9
 - (e) 1,2,3,9,10
20. Which of the following could be a complete list of Team B's outposts?
- (a) 4,5,7,9,10
 - (b) 4,5,6,8,10
 - (c) 4,5,6,7,9
 - (d) 4,5,6,8,9
 - (e) 4,5,6,7,8
21. If Outpost 8 is the northern most outpost on its side of the border, then which of the following must be false?
- (a) Outpost 8 is farther north than Outpost 2
 - (b) Outpost 3 is south of Outpost 8.
 - (c) Outpost 8 is east of Outpost 5
 - (d) Outpost 9 belongs to Team A
 - (e) Outpost 8 belongs to Team A.
22. If exactly three outposts are north of Outpost 7, then which of the following could be true?
- (a) Outpost 8 and Outpost 9 belong to the same team
 - (b) Outposts 2 and 8 are north of Outpost 7
 - (c) Outposts 4 and 5 are north of Outpost 7.
 - (d) Outposts 1 and 5 are north of Outpost 8.
 - (e) Outpost 7 is the northern most outpost on its side of the border.
23. Polling data collected from a broad range of people living in this country has allowed sociologists and societal anthropologists to conclude that special circumstance, usually arising from financial desperation, sometimes cause unethical or illegal behavior in individuals who otherwise would not undertake such activities. Small business men on the verge of bankruptcy may skim cash or withhold payments to the IRS, for example.
- Which of the following can be concluded from the above statement?
- (a) Bankruptcy is a bad situation which people should try to avoid at all costs.

- (b) An otherwise lawful citizen who has become recently unemployed may turn to robbery as a method of raising money
 - (c) The federal budget is compiled each year based on an assumption that the IRS does collect all the money that is required by the current federal tax code.
 - (d) Business ethics is a subject that should be taught to all students in business schools throughout the country.
 - (e) Desperation is a psychological problem that can be cured by attending regular therapy sessions with a counselor.
24. Fossil collections in various archaeological retrieval sites around the world have shown scientists that the first creatures resembling modern man originally appeared on earth between 3 million and 4 million years ago. The species called *Homo erectus* first appeared approximately 2 million years later and survived, scientists believe, until about 1 million years ago. It is easy to see, therefore, that the species identified as "neanderthals" must have appeared sometime more than 1 million years ago.
- Which of the following statements does the author of the above passage assume?
- (a) Fossil collecting is the most efficient method for determining details about the history of the human species on Earth.
 - (b) Carbon dating is an effective and scientifically accurate method of measuring the age of human fossils.
 - (c) *Homo erectus* is an ancestor of the current human species of *Homo sapiens*.
 - (d) Neanderthals and *Homo erectus* are both ancestor species of today's common man
 - (e) *Homo erectus* and the neanderthals both lived on Earth at the same time.
25. An effective resume, containing accurate information and clearly presented details about a person's education and business experience, is often the best method of obtaining a job in sales. Many job applicants, however, have the bad habit of sending a resume with no cover letter at all. As a result, their resumes are frequently discarded without being considered at all.
- Which of the following statements, if true, would most weaken the conclusion of the above statement?
- (a) A survey of people in charge of hiring sales personnel reveals that most of them never read letters of introduction accompanying resumes.
 - (b) A career in a sales position is very limiting and affords the employee very little ability to grow or improve.

- (c) A resume is not always required when applying for a job in sales-related field.
- (d) Many personnel offices prefer to meet applicants directly before considering their qualifications for employment.
- (e) Some studies have shown that resumes copied onto colored paper result in higher rates of success than resumes copied onto plain white paper.

PRACTICE TEST 3

The following passage applies to Question 1-5

A city park is designed with limited walkways to direct visitors to certain points of interest. After traveling from one location to another, visitors may not travel backward to the previous area. Everyone will enter the park at either the Waterfall or the Sandbox. After entering the park, the following possibilities arise:

From the Waterfall, visitors may go to the Petting Zoo or the Swingset. From the sandbox, visitors may go to the Swingset or the Softball Field. From the Swingset, visitors may go to the Petting Zoo, the Softball Field, or the Picnic Area.

From the Petting Zoo, visitors may go to the Softball Field or the Exit. From the Softball Field, visitors may go to the Picnic Area, the Parking Lot, or the Exit. From the Picnic Area, visitors may go to the Parking Lot or the Exit. From the Parking Lot, visitors must go to the Exit.

1. If a visitor enters the park at the Waterfall, which of the following statements must be true?
 - (a) The visitor will visit the Sandbox
 - (b) The visitor will not visit the Picnic Area.
 - (c) The visitor will visit the Swingset before the Softball Field
 - (d) The visitor will visit at least two different areas
 - (e) The visitor will visit at most five different areas.
2. If a visitor enters the park at the Sandbox, what is the maximum number of different areas the visitor may visit?
 - (a) 3
 - (b) 4
 - (c) 5

- (d) 6
(e) 7
3. If the visitor goes to the Picnic Area last before exiting, which of the following statements must be false?
(a) The visitor entered at the Sandbox
(b) The visitor will not visit the Petting Zoo
(c) The visitor will visit the Softball Field
(d) The visitor will not visit the Softball Field
(e) The visitor will visit the Parking Lot.
4. If a visitor is at the Softball Field, which of the following statements could be true?
(a) The visitor may visit three more areas after the Softball Field
(b) The visitor may visit four more areas after the Softball Field.
(c) The visitor may visit both the Parking Lot and the Picnic Area
(d) The visitor has already visited four different areas.
(e) The visitor has already visited both the Swingset and the Picnic Area.
5. Which of the following is a possible listing of areas visited, in order from first to last?
(a) Waterfall, Swingset, Petting Zoo, Softball Field, Parking Lot
(b) Waterfall, Petting Zoo, Swingset, Picnic Area, Parking Lot
(c) Waterfall, Softball Field, Swingset, Picnic Area, Parking Lot
(d) Sandbox, Swingset, Picnic Area, Softball Field, Parking lot
(e) Sandbox, Softball Field, Picnic Area, Parking Lot, Petting Zoo
6. Michael always takes his dog out for a walk in the morning before sunrise unless the sun rises before 6:00 a.m. Steve does not walk his own dog before Michael does if Michael walks his dog before sunrise.
On a day when the sun rises at 5.30a.m, which of the following must be true?
(a) Michael will walk his dog before sunrise.
(b) Steve will not walk his dog in the morning
(c) Steve will not walk his dog before Michael does.
(d) Michael will not walk his dog before sunrise
(e) Michael and Steve will both walk their dogs at the same time.
7. More people are going out to eat than ever before. This must be true, since the number of Greek restaurants in major cities in the United States has increased in recent years.
For the above conclusion to be correct, which of the following assumptions must be true?

- (a) The increase in the number of Greek restaurants does not coincide with a decrease in other restaurants
 - (b) The number of restaurants in any major city remains relatively constant.
 - (c) Greek restaurants are more popular nationwide than any other ethnic restaurant
 - (d) Unemployment rates have declined, so more people can afford to go out to eat.
 - (e) New restaurants open only when existing restaurants are filled to their capacity.
8. Famous sports figures can earn several million dollars each year in royalties and license agreements for endorsing products. The salary of the Chief Justice of the United States is only \$200,000 each year, although the Chief Justice's term of office is unlimited. Based on this information, the Chief Justice can never earn more than a sports figure.
- Which of the following statements, if true, would most weaken the above argument?
- (a) No law prevents the Chief Justice from endorsing any products.
 - (b) Not all product endorsements for which people sign contracts are actually used in the sale of merchandise
 - (c) The Chief Justice's term is unlimited.
 - (d) Congress determines the Chief Justice's salary by law
 - (e) Some sport figures are more famous than others.

The following passage applies to Question 9-14

Six different students – Adam, Ben, Carl, David, Edgar, and Frank- compete in a “homework race” in which the student with the most completed homework assignments is said to finish the race first and the student with the fewest completed homework assignments is said to finish the race last. The other students are ranked between first and last according to the number of completed home work assignments. The following statements are all true about the results of the homework race:

Ben finished either immediately before or immediately after David.

Edgar finished third.

Adam did not finish last

There were no ties

9. Which of the following is a possible order of the students, from first to last?
- (a) Adam, Edgar, Ben, David, Frank, Carl
 - (b) Ben, David, Edgar, Frank, Carl, Adam
 - (c) David, Adam, Edgar, Ben, Carl, Frank
 - (d) Frank, Adam, Edgar, David, Carl, Ben
 - (e) Carl, Adam, Edgar, Frank, David, Ben
10. All of the following are possible orders of the students, from first to last, EXCEPT:
- (a) Adam, Ben, David, Edgar, Carl, Frank
 - (b) Carl, Frank, Edgar, Adam, David, Ben,
 - (c) Frank, Adam, Edgar, Ben, David, Carl,
 - (d) David, Ben, Edgar, Frank, Adam, Carl
 - (e) Ben, David, Edgar, Carl, Adam, frank
11. If Adam finishes fifth, which of the following must be true?
- (a) Frank must finish either first or last
 - (b) Carl must finish either second or fourth
 - (c) David must finish either first or second
 - (d) Ben must finish either first or third
 - (e) Edgar must finish last
12. If Edgar finishes before Ben, which of the following must be false?
- (a) Adam finishes first
 - (b) Adam finishes fifth
 - (c) Carl finishes second
 - (d) Frank finishes second
 - (e) Carl finishes last.
13. Which of the following is a complete list of all students who could finish last?
- (a) Carl, Frank
 - (b) Ben, David, Frank
 - (c) Ben, Carl, Edgar, Frank
 - (d) Ben, Carl, David, Frank
 - (e) Adam, Ben, Carl, David, Frank
14. If David finishes first, which of the following could be true?
- (a) Carl and Frank finish before Adam
 - (b) Edgar finishes before Ben
 - (c) Adam finishes before Ben and Frank
 - (d) Frank finishes before Adam and Carl

- (e) Carl finishes before Adam and Edgar

The following passage applies to Question 15-18

Eight children, Kathy, Leroy, Marion, Nate, Ophelia, Peter, Quint, and Robert, are seated in two rows in an auditorium. Four children are in the front row, and four children are in the back row. The seats in each row are numbered 1 through 4 from left to right. The following statements are all true about the seating arrangement:

Kathy must sit in the front row.

Leroy may not sit either directly next to or directly in front or in back of Marion.

Ophelia and Peter must sit somewhere to the right of Kathy.

Quint must sit in Seat 2 of the back row.

15. All of the following are possible presentations of the seating arrangement EXCEPT:

	Front Row	Back Row
(a)	Kathy, Marion, Nate, Peter	Robert, Quint, Ophelia, Leroy
(b)	Leroy, Kathy, Ophelia, Robert	Nate, Quint, Marion, Peter
(c)	Kathy, Marion, Nate, Robert	Leroy, Quint, Ophelia, Peter
(d)	Kathy, Peter Leroy, Robert	Nate, Quint Marion, Ophelia
(e)	Marion, Kathy, Peter, Nate	Robert, Quint, Ophelia, Leroy

16. If Marion sits in Seat 2 in the front row, then which of the following must be false?

- (a) Nate is in Seat 1 in the second row
 - (b) Peter and Ophelia both sit directly next to Quint
 - (c) Kathy is in Seat 1 in the front row
 - (d) Leroy sits in the back row
 - (e) Robert and Kathy both sit in the front row.
17. If Ophelia and Peter sit next to each other in the front row, then all of the following could be true EXCEPT:
- (a) Leroy sits directly in front of Quint
 - (b) Marion sits directly in back of Ophelia
 - (c) Quint sits directly in back of Kathy
 - (d) Robert sits between Kathy and Ophelia
 - (e) Marion and Leroy sit left of Quint.
18. If Kathy and Nate are both in Seat 3s, then which of the following could be false?
- (a) Richard is in Seat 1 in the front row
 - (b) Peter is in Seat 4 in either row
 - (c) Leroy is in Seat 2 in the front row
 - (d) Katy is in the front row
 - (e) Nate and Quint are in the same row

The following passage applies to Question 19-22

A secret code consists only of combinations of the numbers from 1 through 5. All words in the code must meet the following requirements:

Any code word must have at least three numbers but no more than five numbers.

Code words do not need to use different numbers unless otherwise required below.

All code words must begin with the number 1.

4 may not be the last number in a code word.

If 5 is the last number in a code word, then the word must have at least one 4.

If 2 is the second number in a code word, then 2 must also be the last number.

The number 1 can only appear once in a code word.

19. Which of the following is a possible code word?
- (a) 1 3 3 2
 - (b) 1 4 1 4
 - (c) 1 2 2 3
 - (d) 4 1 3 5
 - (e) 1 3 5 5
20. Which numbers may not be the only numbers used in a three-number code words?
- (a) 1 and 2
 - (b) 1, 2, and 4
 - (c) 1, 2, and 5
 - (d) 1 and 5
 - (e) 1 and 3
21. How many different three-number code word can be made using only the numbers 1, 2, and 3?
- (a) 2
 - (b) 3
 - (c) 4
 - (d) 5
 - (e) 6
22. If a word ends with the number 5, which of the following must be true?
- (a) The word must contain at least four numbers
 - (b) 2 is not the second number
 - (c) 3 is not the third number
 - (d) 1 is the fourth number
 - (e) 4 appears twice in the word
23. Any movie starring Robert Redford will win an Academy Award, but no movie starring Robert Redford will ever earn more than \$5 million from ticket sales. Some movies that earn more than \$5 million from tickets sales are directed by Steven Spielberg.
- Which of the following conclusions must be true, based on the above statements?
- (a) No movie directed by Steven Spielberg will win an Academy Award
 - (b) Some movies directed by Steven Spielberg may star Robert Redford

- (c) Some movies earning more than \$5 million in ticket sales may star Robert Redford
 - (d) No movie starring Robert Redford will win an Academy Award
 - (e) All movies directed by Steven Spielberg will win an Academy Award.
24. Frederic Chopin is the greatest piano composer who ever lived. After all, more different musical variations have been based on the "Prelude in A," Chopin's most famous piano theme, than on any other musical theme ever written. Which of the following assumption is indicated in the above argument?
- (a) Only musical Preludes are used as the basis for other composers' musical variations
 - (b) Only composers whose compositions become the subject for musical variations can be considered "great".
 - (c) Chopin's "Prelude in A" is a more famous musical composition than Handel's "Theme in G."
 - (d) No great musical compositions have ever been written by Spanish composers
 - (e) Frederic Chopin wrote music because he wanted to become famous
25. Whenever the national budget exceeds \$8 trillion the government spends \$2 billion on travel expenses. Whenever the government spends \$2 billion or more on travel expenses, then the president's activities are too visual to the public, too many reports are released to the press and the President gets impeached. Before 1998, no President had been impeached since 1865, which was 133 years ago. Which of the following statement must be true?
- (a) In 1865, the national budget was at least \$8 trillion
 - (b) The President will be impeached again in 2131, which is 133 years from now
 - (c) The government needs to spend at least \$2 billion on travel expenses each year
 - (d) In 1980, the government may have spent more than \$2 billion on travel expenses.
 - (e) The national budget in 1940 was less than or equal to \$8 trillion.

PRACTICE TEST 4

The following passage applies to Questions 1-5

A college building has eight empty spaces in a five-floor building to assign to certain classes: two spaces on the first floor, two on the second floor, one on the third floor, two on the fourth floor, and one on the fifth floor. The dean of the college has to assign class space to three history classes- Ancient Asia, Babylon Times, and Confucius at Work – and to three business classes: Special Stocks, Turnovers & Mergers, and Unstable Markets. The dean must follow these rules in assigning class space:

No floor may remain completely unoccupied

No two-history classes may be on the same floor

Two business classes may not be on adjacently numbered floors

Ancient Asia may not be on the first or fifth floor

Confucius at Work and Special Stocks must both be on the same floor.

1. Which of the following statements could be true about the arrangement of classes in the building?
 - (a) Confucius at Work and Ancient Asia are on the second floor
 - (b) Unstable Markets and Ancient Asia are on the first floor
 - (c) Special Stocks and Unstable Markets are on the second floor
 - (d) Babylon Times and Confucius at Work are on adjacent floors
 - (e) The business classes are on even-numbered floors only
2. Which of the following classes could share a floor with Unstable Markets?
 - I. Ancient Asia
 - II. Babylon Times
 - III. Turnovers & Mergers
 - (a) I only
 - (b) II only
 - (c) I and II
 - (d) II and III
 - (e) None of the above

3. If the business classes are on odd numbered floors only, which of the following statements could be true?
 - (a) Ancient Asia and Babylon Times are both on the fourth floor
 - (b) Turnovers & Mergers is on the fifth floor
 - (c) Unstable Markets is on the first floor
 - (d) Ancient Asia and Babylon Times are on adjacent floors
 - (e) Turnovers & Mergers and Confucius at Work are on adjacent floors.
4. If Confucius at Work is on the first floor, which of the following must be false?
 - (a) A business class is on the fourth floor
 - (b) A history class is on the fourth floor
 - (c) Ancient Asia is on the fourth floor
 - (d) Babylon Times and Confucius at Work are on adjacent floors
 - (e) Unstable Markets is on the fifth floor
5. Which of the following is a complete list of all the classes that could be on the second floor?
 - (a) Ancient Asia, Babylon Times
 - (b) Ancient Asia, Babylon Times, Turnovers & Mergers
 - (c) Ancient Asia, Turnover & Mergers, Unstable Markets
 - (d) Ancient Asia, Babylon Times, Confucius at Work, Special Stocks
 - (e) Ancient Asia, Babylon Times, Confucius at Work, Special Stocks, Unstable Markets
6. "Acquire" is a game that is based loosely on the stock market and related investment issues. Therefore, the best professional stock brokers should always win when playing "Acquire".
Which of the following statements, if true, would most weaken this conclusion?
 - (a) Knowledge of stock trading laws and practices is helpful in playing "Acquire".
 - (b) "Acquire" is a game that has been continuously produced for more than 30 years.
 - (c) Stock brokers are usually too busy to have time for playing games
 - (d) The rules and strategies of "Acquire" are all fully explained in a rule book that accompanies the game
 - (e) More children than adults play "Acquire"
7. Archaeologists at the University of South America have concluded that all species of dinosaurs that inhabited any parts of South America died at least 3 million years ago. The Southern Andes iguana is a species of animal that has existed continuously on the Earth for more than 5 million years. It is well

established that South American dinosaurs and the Southern Andes iguana never lived on the Earth at the same time

Based on the results of the studies reported above, which of the following must be true?

- (a) South American dinosaurs became extinct at least 5 million years ago
 - (b) The conclusion of the archaeologist at the University of South America is incorrect
 - (c) If South American dinosaurs and Southern Andes iguanas had lived together on the Earth, the dinosaurs would have eaten the iguanas.
 - (d) South America dinosaurs and Southern Andes iguanas may have existed together on the Earth but in different locations
 - (e) Southern Andes iguanas have been extinct longer than South American dinosaurs have
8. Fewer inches of rain have fallen in the Midwest this year than in any other year since 1917. Usually, residents of the Midwestern states spend a total of \$20 million each year for flood insurance and recovery. Therefore, this year's flood-related costs for the Midwestern states must be less than \$20 million.
- Which of the following, if true, would most weaken the above argument?
- (a) The Midwestern states have had many more individual rainfalls and rainstorms this year than usual.
 - (b) In the South, the states do not budget any money at all for flood recovery
 - (c) The global greenhouse effect is the cause of this year's low rainfall total
 - (d) Every individual determines for himself or herself how much money to spend on flood insurance
 - (e) In 1917, the combined flood recovery budget for the residents of the Midwestern states was only \$10,000.

The following passage applies to Question 9-14

A piano teacher provides private lessons for seven different children- Albert, Billie, Chuckie, Dolly, Ellis, Felicia, and George. The piano teacher teaches one child at a time, from Monday through Friday, for either a morning or an afternoon session. When the teacher plans her weekly schedule, the following rules must apply:

- Albert and Billie must have their lessons on the same day
- George cannot come on Thursday,
- Dolly is only available for morning sessions.

Chuckie is only available for afternoon sessions
 Felicia is only available Monday morning

9. Which of the following is a possible list, from Monday to Friday, of students for morning lessons?
 - (a) Felicia, George, Albert, Billie, Dolly
 - (b) Felicia, Chuckie, George, Albert, Dolly
 - (c) Dolly, Albert, Ellis, Felicia, George
 - (d) Felicia, Billie, Dolly, George, Ellis
 - (e) Felicia, George, Albert, Dolly, Ellis
10. Which of the following is a possible list, from Monday to Friday, of students for afternoon lessons?
 - (a) Felicia, George, Billie, Chuckie, Ellis
 - (b) Chuckie, Billie, Dolly, Ellis, George
 - (c) George, Billie, Chuckie, Ellis, nobody
 - (d) Albert, Billie, nobody, Ellis, George
 - (e) Dolly, Chuckie, George, Billie, Ellis
11. If the tutor does not want to schedule any lessons on Friday, which of the following could be true?
 - (a) Felicia and Albert are scheduled for the same day
 - (b) Dolly and Albert are scheduled for Tuesday
 - (c) George and Ellis are scheduled for Thursday
 - (d) Chuckie and Felicia are scheduled for Monday
 - (e) Ellis is the only student scheduled for Monday
12. Which of the following pairs of students cannot both have their lessons on the same day
 - (I) George and Felicia
 - (II) Albert and Chuckie
 - (III) Felicia and Dolly
 - (IV) Ellis and Chuckie
 - (a) I only
 - (b) II and III
 - (c) I, II, and III
 - (d) II and IV
 - (e) I, II, and IV
13. If Albert's lesson is Wednesday afternoon, which of the following must be false?
 - (a) George and Chuckie are scheduled for the same day

- (b) George's lesson is before Ellis's lesson
 - (c) Billie and Chuckie are scheduled for the same day
 - (d) George is scheduled on Monday
 - (e) Ellis and Felicia are scheduled for the same day
14. If Albert is scheduled for Friday morning, which of the following is a complete list of students who could have their lesson on Monday?
- (a) Felicia, Billie, George
 - (b) Dolly, Felicia, Chuckie, George
 - (c) Felicia, Chuckie, Billie, Ellis
 - (d) Chuckie, Ellis, Felicia, George
 - (e) Chuckie, Dolly, Ellis, Felicia George

The following passage applied to Question 15-18

A television network divides its viewing area into four quadrants: Quadrant I contains the entire area northeast of the main broadcast tower, Quadrant II contains the entire area southeast of the main broadcast tower, Quadrant III contains the entire area southwest of the main broadcast tower, and Quadrant IV contains the entire area northwest of the main broadcast tower. The network consists of eight different stations, known as Station A through Station H. To maximize the network's broadcast range, the eight stations are arranged around the main broadcast tower as follows:

Every quadrant must contain at least one station but may have no more than three stations.

Quadrant IV must have at least two stations.

Station A and Station B may not be in the same quadrant

Station C must be in Quadrant II

Station D may not be north of Station C

Stations E and F must be in the same quadrant

Station H must be somewhere south of Station A

15. If Station C is the only station in Quadrant II then which of the following must be true?
- (A) Station E and Station F are in Quadrant I
 - (B) Station B is in Quadrant IV
 - (C) Station D is in Quadrant III
 - (D) Station A is in Quadrant IV
 - (E) Station H is in Quadrant I
16. If Quadrant I has three stations, then which of the following could be true?
- (A) Quadrant III has three stations
 - (B) Station E is in Quadrant II
 - (C) Station A and Station F are in Quadrant III
 - (D) Station D and Station H are in the same quadrant
 - (E) Station D and Station E are in Quadrant III
17. If every quadrant has exactly two stations, then which station could be in the same quadrant as station D?
- I. A
 - II. C
 - III. E
 - IV. G
- (A) I only
 - (B) I and II
 - (C) II, III and IV
 - (D) I, II and IV
18. If Quadrant I and Quadrant II each have only one station, then which of the following must be false?
- (A) The two quadrants north of the broadcast tower have as many stations as the two quadrants south of the broadcast tower.
 - (B) Station D is in Quadrant IV
 - (C) Station E and Station F are in Quadrant III
 - (D) Station H is in Quadrant I
 - (E) Exactly four stations are south of the broadcast tower.

The following passage applies to quadrants 19 – 22

Seven college students, Carl, Diane, Elvin, Florence, George, Heather, and Ivan, apply to a college training office for placements in internships with government offices. The training office has exactly seven internships available in two different

government offices, The Senate Legal Office and The Supreme Court Library. Each office may take either three or four students. The training office also has to consider the following requirements:

Carl and Diane may not work for the same office.

Heather and Florence must work for the same office

If Diane and Elvin work for the same office, then that office must hire four students.

George must work for The Supreme Court Library.

The Senate Legal Office may only hire four students if Diane is one of those students.

19. Which of the following is a possible placement of the students?

**The Senate
Legal Office**

**The Supreme
Court Library**

- | | | |
|-----|--------------------------------|--------------------------------|
| (A) | Diane, Elvin, Carl, Ivan | Florence, George, Heather |
| (B) | Diane, Heather, Florence | Carl, Elvin, George, Ivan |
| (C) | Carl, Elvin, Florence | Diane, George, Heather, Ivan |
| (D) | Diane, Elvin, Ivan | Carl Florence, George, Heather |
| (E) | Carl, Elvin, Florence, Heather | Diane, George, Ivan |

20. If Diane works for The Senate Legal office, then which of the following statements must be true?

- (A) Elvin works for The Senate Legal Office
- (B) Ivan works for The Senate Legal office
- (C) Heather may not work for The Supreme Court Library
- (D) Florence and Ivan work for the same office
- (E) Ivan and Carl work for the same office.

21. If Heather is one of four people placed at The Supreme Court Library, then which of the following could be true?

- (A) Carl works for The Supreme Court Library
- (B) Florence and Ivan work for the same office
- (C) Diane and Ivan both work for The Senate Legal Office
- (D) Elvin works for The Supreme Court Library
- (E) Elvin and Ivan both work for The Senate Legal Office

22. If the Senate Legal Office only takes three people, then which of the following must be false?
- (A) Heather and Elvin work for the same office
 - (B) Elvin works for The Supreme Court Library
 - (C) Ivan works for The Supreme court library
 - (D) Florence and Carl work for the same office
 - (E) Ivan and Elvin work for the same office.
23. All blue cars have tailfins. Nothing that is blue has ever traveled to the bottom of the ocean?
- Based on the above statements, which of the following may logically be concluded?
- (A) Only things with tailfins have traveled to the bottom of the ocean
 - (B) All things with tailfins are blue
 - (C) Some cars have not traveled to the bottom of the ocean
 - (D) All cars have tailfins
 - (E) Some cars are not blue.
24. David killed Goliath with only a single stone. If David had taken with him a supply of a hundred stones, then he would have been able to defeat the entire opposing army.
- Which of the following, if true would most strengthen the above argument?
- (A) Goliath was the most difficult member of the opposing army to defeat
 - (B) The opposing army would have advanced too quickly for David to have the opportunity to use more than 10 stones
 - (C) Goliath was significantly larger and more powerful than David
 - (D) David was significantly larger and more powerful than Goliath
 - (E) The opposing army had fewer than 100 soldiers
25. A guard dog from Acme Dogs will assume an alert position and will begin barking every time she hears the footsteps of a person walking toward the owner's house. Therefore anyone with a guard dog from Acme Dogs should feel very secure at home because the dog will warn the owner if an intruder approaches.
- This conclusion makes which of the following assumptions?
- (A) A dog from Acme Dogs would provide good protection after an intruder enters the house
 - (B) A dog from Acme Dogs will hear any intruder who approaches
 - (C) A dog from Acme Dogs has received special training as a guard dog

- (D) The speaker lives in a dangerous area
- (E) Some intruders may not be people

PRACTICE TEST 5

The following passage applies to Questions 1 – 5

A television network executive is responsible for scheduling television programming for the time period from 8:00 p.m. until 10:00 p.m. each night, Monday through Friday. Each night, the network will broadcast two 1-hour television programs during this time period. To fill these spaces, the executive has three 1-hour variety shows, three 1-hour comedy shows, and four 1-hour drama shows. The programming must follow these guidelines:

Two shows of the same type may not be scheduled for the same night

Two variety shows not be scheduled on consecutive nights

If a drama show is scheduled for 8:00 on any night, then a comedy show may not be scheduled for the same night. If a variety show is scheduled for 8:00 on any night, then a drama show may not be scheduled for the same night.

1. Which of the following is a possible schedule listing for the 8:00 time slot from Monday through Friday?
 - (A) Variety, Drama, Comedy, Comedy, Variety
 - (B) Variety, Variety, Comedy, Drama, Comedy
 - (C) Comedy, Drama, Variety, Comedy, Variety
 - (D) Variety, Comedy, Drama, Comedy, Drama
 - (E) Drama, Comedy, Variety, Drama, Drama
2. Which of the following statements about the television schedule could be true?
 - (A) A drama is scheduled for 8:00 on Tuesday
 - (B) A variety and a drama are both scheduled on Monday
 - (C) A variety and a Comedy are both scheduled on Tuesday
 - (D) A drama and a variety are both scheduled on Thursday
 - (E) A Comedy and a drama are both scheduled on Friday
3. If a drama is scheduled for 9:00 on Tuesday, then which of the following must be true?
 - (A) A comedy is scheduled for 8:00 on Thursday

- (B) A variety is scheduled for 9:00 on Monday
 - (C) A comedy is scheduled for 8:00 on Monday
 - (D) A drama is scheduled for 8:00 on Tuesday
 - (E) A variety is scheduled for 8:00 on Friday
4. If a comedy is scheduled on Wednesday, then which of the following must be false?
- (A) A variety is scheduled for 8:00 on Wednesday
 - (B) A comedy is scheduled for 8:00 on Tuesday
 - (C) A variety is scheduled for 9:00 on Friday
 - (D) Tuesday and Friday have the same schedule
 - (E) Monday and Friday have the same schedule
5. If the same type of show is scheduled for 8:00 on Tuesday, Wednesday, and Thursday, then which of the following could be true?
- (A) A variety is scheduled for 8:00 on Monday
 - (B) Monday and Wednesday have identical schedules
 - (C) Monday and Friday have identical schedules
 - (D) A comedy is scheduled for Friday
 - (E) At least one variety show is scheduled for 8:00
6. The belief in an organized religion is one of the indications of an advanced society. Anthropologists have recently discovered evidence that tribes of people living in Asia 7 million years ago buried people together with small statues of common animals and with certain tools and utensils. Therefore, these tribes can be considered the earliest advanced society to have existed.
Which of the following assumptions is part of the above argument?
- (A) Organized religion began in Asia
 - (B) The ancient tribes in Asia worshipped common animals
 - (C) Burying people together with tools and utensils is an indication of a belief in an organized religion
 - (D) Animal that existed in Asia 7 million years ago are now extinct
 - (E) Only an advanced society would be able to create statues of animal
7. Every year, the members of the school board PTA select a new Student Representative. If the school board PTA selects a senior as the Student Representative, then the PTA will give the high school money for a spring musical. However, the school board PTA has already given the school money for a spring musical.
If all the statements in the above argument are true, which of the following conclusions must also be true?

- (A) The PTA should not select a senior as the student representative
 - (B) The PTA already has given enough money to the high school
 - (C) The current Student Representative is a junior
 - (D) If the PTA does not give any additional money to the high school, then the PTA must not have selected a senior as its Student Representative
 - (E) If the PTA gives more money to the high school this year, then its Student Representative must be a senior
8. The Acme Company just announced publicly that it is going to enter into a stock merger with Wonder Corp. It is commonly known that stock prices for any given company usually rise when information about a pending merger involving that company becomes public.
- If the stock prices for Acme Corp. decline after the announcement, what conclusion can be inferred?
- (A) The price of stocks in Acme Company is too high for the average investors
 - (B) Wonder Corp. has only a limited number of stocks available for sale
 - (C) The merger between Acme Company and Wonder Corp. creates a major conglomerate with a monopoly on the market, whose stocks are no longer desirable.
 - (D) The merger between Acme Company and Wonder Corp. can only be accomplished after long periods of negotiations between executives from each company
 - (E) The announcement of the merger between Acme Company and Wonder Corp. became public on the same day that the government announced a decrease in prime lending rates.

The following passage applies to Question 9 – 14

A travel agency is organizing visits to several cities across North America. One plan offers tourists a travel package to visit eight different cities – Jacksonville, Kingman, Lexington, Montreal, New York, Ottawa, Philadelphia and Quincy. Tourists may visit the eight cities in any order, but their selections must follow these general rules:

Each travel package must include all eight cities, but each city may be visited only once.

A traveler must visit New York either immediately before or immediately after visiting Montreal.

Lexington may not be the last or the first city visited.

If Kingman is visited before Ottawa, then at least one other city must be visited between Kingman and Ottawa.

Quincy must be the fourth city visited in any travel package.

9. Which of the following could be a complete list of cities visited in order from first to last?
- (A) Jacksonville, Kingman, Lexington, Montreal, New York, Ottawa, Philadelphia, Quincy
 - (B) Lexington, Kingman, Montreal, Quincy, Ottawa, New York, Jacksonville, Philadelphia
 - (C) Philadelphia, Kingman, Ottawa, Quincy, Montreal, New York, Lexington, Jacksonville
 - (D) Kingman, Jacksonville, Ottawa, Quincy, New York, Montreal, Lexington, Philadelphia
 - (E) Ottawa, Kingman, Lexington, Jacksonville, Quincy, Philadelphia, Montreal, New York.
10. If the tourist begins his or her visit in New York, which of the following statements must be true?
- (A) Kingman is visited before Ottawa
 - (B) Kingman is visited before Quincy
 - (C) Jacksonville is visited after Montreal
 - (D) Philadelphia may not be the last city on the list
 - (E) Quincy is visited before Ottawa
11. If Kingman is the second city on the tour, then which of the following statements must be false?
- (A) Ottawa is visited after Quincy
 - (B) Jacksonville is visited first
 - (C) Montreal is visited before New York
 - (D) Philadelphia and Lexington are the last two cities visited
 - (E) Quincy is visited after New York
12. If Jacksonville is the seventh city on the tour, which of the following is a complete list of all cities that could be last?
- (A) Kingman, Ottawa, Philadelphia
 - (B) Jacksonville, Kingman, Montreal
 - (C) Kingman, Lexington, Ottawa, Philadelphia
 - (D) Kingman, Montreal, New York, Ottawa, Philadelphia

- (E) Kingman, Lexington, Montreal, New York, Ottawa, Philadelphia.
13. If Kingman is visited seventh, then which city could be visited last?
- (A) Jacksonville
(B) Lexington
(C) Montreal
(D) New York
(E) Ottawa
14. If Quincy is visited immediately after Ottawa, then which of the following statements must be false?
- (A) Kingman is visited first
(B) Lexington is visited immediately after Quincy
(C) Jacksonville and Montreal are the first two cities visited
(D) New York is visited after Ottawa
(E) Philadelphia and Lexington are the first two cities on the tour.

The following passage applies to Questions 15 – 18

A major department store chain plans to build seven new outlet stores. The Administrative Office for the department store chain is in the exact center of the store's market area, and the seven new outlet stores, which will be called OS ("Outlet Store") I through OS 7, must be placed in the country as follows:

OS I must be built somewhere north of the Administrative Office

OS 2 must be built due south of OS I

OS 4 must be built somewhere southeast of the Administrative Office

OS 5 must be built due east of OS 4

OS 6 and OS 7 must both be built somewhere west of the Administrative office

15. All of the stores could be built somewhere northwest of the Administrative Office EXCEPT which of the following?
- (A) OS 2
(B) OS 3
(C) OS 5
(D) OS 6
(E) OS 7

16. If OS 6 is built somewhere southwest of the Administrative Office, then which of the following statements must be true?
- (A) OS 7 is somewhere southwest of the Administrative Office
 - (B) OS 6 is somewhere south of OS 2
 - (C) OS 4 is somewhere north of OS 6
 - (D) The Administrative Office is somewhere north of OS 7
 - (E) OS 1 is somewhere north of OS 6
17. If OS 4 is built due east of OS 2, then which of the following statements must be false?
- (A) OS 2 is somewhere west of OS 5
 - (B) OS 5 is somewhere west of OS 1
 - (C) OS 3 is somewhere south of OS 2
 - (D) OS 4 is somewhere south of OS 1
 - (E) OS 2 is somewhere north of OS 6
18. If exactly three stores are built east of the Administrative Office, then which of the following statements could be false?
- (A) OS 3 is somewhere east of the Administrative Office
 - (B) OS 2 is somewhere west of OS 5
 - (C) OS 7 is somewhere west of OS 3
 - (D) OS 6 is somewhere south of OS 7
 - (E) OS 1 is somewhere west of the Administrative Office

The following passage applies to Questions 19 – 22

Nine buildings in a city's downtown area are connected by a series of overhead walkways. The city engineer's map of the city identifies the buildings simply with the letters R, S, T, U, V, W, X, Y and Z. Anyone visiting these buildings must begin the visit at Building R. From there, the other buildings may be visited via a series of overhead walkways connecting the buildings as follows:

Walkways connect Building R to Buildings S, T, and W.

A walkway connects Building S to Building U.

Walkways connect Buildings S and T to Building X

Building W is connected to Buildings T, V and Z.

Building X is connected to Building Z

Building X and Z are connected to Building Y

19. Without visiting any building more than once, what is the maximum number of buildings a person can visit?
- (A) 5
 - (B) 6
 - (C) 7
 - (D) 8
 - (E) 9
20. If a visitor must travel from Building R to Building Y by crossing the fewest number of walkways, which of the following statements must be true?
- (A) The visitor will visit Buildings S and X
 - (B) The visitor may visit Building U or Building V, but not both
 - (C) The visitor may not visit Building Z
 - (D) If the visitor goes to Building T, he or she must then go to Building W
 - (E) If the visitor goes to Building W, he or she must then go to Building Z
21. If a visitor wants to travel to both Building U and Building V, which of the following must be false?
- (A) The visitor will go to every building except Building T
 - (B) The visitor will go to Building S only once
 - (C) The visitor will visit no building more than once
 - (D) The visitor will not visit Building Y
 - (E) The visitor will visit at least six different buildings
22. If a new walkway is built connecting Building V to Building Z, then which of the following could be true?
- (A) A visitor may visit all the buildings without visiting any building more than once
 - (B) The shortest path from Building R to Building Y includes Building V
 - (C) A visitor may visit Building V immediately after Building T
 - (D) A visitor may go from Building V to Building U by crossing no more than three walkways
 - (E) A visitor may visit Buildings S, T, and W in that order
23. A philosopher makes the following statements: "I think, therefore I am. If I am not, then I think not. If I think then life means nothing".
Applying the proceeding argument, if life does not mean nothing, then what more can the philosopher conclude?
- (A) I am
 - (B) I think

- (C) I do not think
- (D) I think and I am
- (E) I think not and I am

24. New electric heating elements that use the patented “coiled element system” save energy by requiring less electricity. Therefore, if homeowners use only heating elements with the coiled element system.” Their electric bills will decrease

Which of the following represents a necessary assumption that is part of the preceding argument?

- (A) Homeowners are always concerned with lowering their utility bills
- (B) By lowering electricity use, homeowners can help decrease pollution levels in their communities.
- (C) Heating units with the “coiled element system” are less expensive than more standard heating units
- (D) Heating units with the “coiled element system” are as effective in providing heat as standard heating units.
- (E) Heating units with the “coiled element system” have been shown to create less low level radiation in the home, and people using them have fewer medical problems

25. A manufacturer of filmmaking supplies and equipment advertises that Alfred Hitchcock, one of the world’s greatest directors, routinely obtained his filmmaking supplies from their suppliers. As a result, the manufacturer suggests, anyone buying their supplies would become an equally great film director.

Which of the following statements, if true, would most weaken the claims made by the manufacturer?

- (A) Hitchcock at the time that he was making his films was provided extensive funding from large film production companies that allowed him to use the best material then available
- (B) Most of the customers of this manufacturer are amateur photographers who are not professionally trained and who do not realize the value of using professional- quality film supplies
- (C) The supplies made by this manufacturer are more expensive than similar supplies from other manufacturers.
- (D) A filmmaking professor at the local community college supplies all of his students with materials from this manufacturer.

- (E) Even when using supplies from this manufacturer, many amateur filmmakers create films that movie critics call inferior and meaningless.

ANSWERS AND EXPLANATIONS

PRACTICE TEST 1 - ANSWERS

Answers 1 – 5

DISCUSSION – This is a ranking problem, which can be identified because the number of people matches the number of floors involved and there is the requirement that no two people can leave the elevator at the same place. Your task for this problem is to rank the people in the order that they leave the elevator.

1. The correct answer is (D). For this first question, test each of the five answer selections against the rules for conflict. Answer (A) is incorrect because, if Helen exited on Level 3, Graham would also have to get out on Level 3; because Graham is getting out on Level 1, then Helen cannot get out on Level 3. Answer (B) is incorrect because Graham must get out before Johnny. Answer (C) is incorrect because Irving must get out on either the first or sixth floor. Answer (D) is the correct answer because all rules are satisfied. Answer (E) is incorrect because Graham must get out before Johnny.
2. The correct answer is (B) Graham exits on Level 4, then Graham is not exiting on Level 3. Therefore, because of the second rule. Helen cannot exit on Level 3. Irving must exit on either Level 1 or 6 and so cannot exit on Level 3. Because Graham must exit before Johnny, then Johnny must exit on either Level 5 or 6. Only Kevin and Louise could exit on Level 3. Therefore, answer (B) is the correct answer
3. The correct answer is (D). If Graham and Irving exit together, then Graham must exit on either Level 1 or Level 6 because of the rule requiring Irving to exit on these levels. Graham cannot exit on Level 6 because Graham must exit before Johnny, and if Graham exited on Level 6 then Johnny would have nowhere to go. Therefore, Graham must exit on Level 1, so answer (D) is correct. The other answers could be true but are not required to be true.

4. The correct answer is (D). If nobody gets out on Levels 1 or 2, Irving must get out on Level 6. No other information is readily available from the rules, so the best approach is to check the possibility of each answer. Answer (A) is incorrect because Irving must get out on Level 3, Graham must also get out on level 3. Answer (C) is incorrect because Irving must exist on Level 6. Answer (D) is correct because nothing prevents Kevin from getting out on Level 5. Answer (E) is incorrect because Irving must get out on Level 6.
5. The correct answer is (C). The added fact that Irving gets out alone adds nothing to the given information that Irving exists on either Level 1 or 6,. However, the added fact that Helen gets out alone means that Helen cannot exit on Level 3. As addressed above, if Helen were to exit on Level 3, then Graham would also have to exit on Level 3; since Helen is exiting alone, then Level 3 is not an option. Therefore, answer (C) is the correct answer for a statement that must be true. All other answers might be true or might be false but are not required to be true.
6. The correct answer is (B). The question stem for this problem tells you that this is an “additional fact” question. This becomes obvious as soon as you see the structure, “Which of the following, if true...?” To solve this type of question, you should first identify the primary relevant topics or issues of the introductory argument. For this problem, the argument introduces the two different schools, the difference in the percentages going to college, and the conclusion that the percentages are the result of better teaching (“a better education”). Any answer with extraneous information must be incorrect. Answer (B) is correct because it indicates that another factor, the entry scores of its applicants, may be responsible for the success of the students. The other statements all could be true, but they are not as directly related to the argument as the statement in answer (B).
7. The correct answer is (C). This author assumes that a low percentage of voters under 25 years old in comparison to the entire population of voters corresponds to lack of interest among younger voters. Answer (C) contradicts this assumption by showing that the entire voting population of the state has a small percentage of voters younger than 25 years old, so the 9 percent who turn out to vote actually represent a large percentage of that group of voters. Answer (A) provides information that might be relevant to the argument but is insufficient to attack the conclusion because it does not include information about the actual number of young voters. Answers (B) and (D) provide information that is completely irrelevant to the argument. Answer (E), like (A) provides information that addresses only half the argument.

8. The correct answer is (A). This is a question that asks you to analyze the structure of the initial argument and then find the answer that parallels the original structure. Do not get tricked into selecting an answer just because it addresses the same general subject. For example, although answer (C) also deals with education and college acceptance, answer (C) is not the best answer. First, try to summarize the initial argument in very general terms. For this argument, the general summary would be 1. Data shows a certain connection ("test scores = graduation likelihood"), 2. A certain group shows a measure of success ("New England girls graduating"), and 3. Conclude that the group (New England girls) shows the initial factors (high test scores). Only answer (A) comes close to matching this general structure by discussing the connection between music programs and success, then identifying a certain group ("from New Orleans"), and then connecting the two in the conclusion. The other answers do not follow this pattern. **NOTE:** The argument is not necessarily a logically sound argument. You are being tested not on the validity of the argument but only on recognizing its structure.

Answers 9-14

DISCUSSION – This is a ranking problem. Your task is to arrange, or rank, the people according to the order that they leave the train. This is similar to placing them in seats or other position markers, where there is a "one-to-one" match. The "one-to-one" match is created by the rule that the people "all get off at different stops." When you create an initial diagram, you can see the following:

1	2	3	4	5	6	7
		Willy				

You also know the relative orders of four people: $S > U > T$ and V (the marking ">" means "gets off before" for this problem). These initial rules are relatively short, so there is nothing more to diagram at the beginning. You should also note, however, that the "group" of $S > U > T, V$ accounts for four people; Willy is already accounted for, so the two remaining people, Xania and Yolanda, are free to be "placed" anywhere.

9. The correct answer is (C). check each of the lists of answers against your initial diagram and the initial rules to see which answer violates any of the rules. Answer (A) is incorrect because Violet is not after Unger. Answer (B) is incorrect because Willy is not third. Answer (C) is correct because all the rules are satisfied. Answers (D) and (E) are incorrect because Tom may not get off before Unger.
10. The correct answer is (C). This is just the opposite of the preceding question. Your task for this question is to find the one list of people that does NOT follow all of the rules. The one that violates the rules is answer (C), which violates the rules that Tom and Violet get off after Unger. All other answers are possible arrangements so are incorrect.
11. The correct answer is (B). The best way to answer this question is to analyze the initial rules and consider which people must get off before any others. The initial rules tell you that Steve gets off before someone and Unger gets off before someone. Willy is specially placed third. Therefore, neither Steve, Unger, nor Willy may ever be last. The only one of these that is an answer is Unger, answer (B). This is the answer.
12. The correct answer is (D). The analysis for this question is basically the same as for the preceding question, with a different focus. Because Willy is third, he can never be first. Because of the initial "group" of four people, $S > U > T, V$, it is easy to see that neither Unger, Tom, nor Violet may ever be first. There is not enough information to decide whether Steve, Xania, or Yolanda is first, but they COULD be first. The correct answer is answer (D), the answer that includes Tom, Unger, Violet, and Willy.
13. The correct answer is (D). You already know that Willy is third, so if Willy gets off before Unger, then Unger must be either fourth, fifth, sixth, or seventh. Because two people, Tom and Violet, get off after Unger, then Unger cannot be sixth or seventh, so Unger must be either fourth or fifth. The final four positions, fourth, fifth, sixth, and seventh, must be taken, in some order, by Unger, Xania, Tom, and Violet. With these four people accounted for and Willy getting off third, the two remaining people, Steve and Yolanda, must be two remaining people, Steve and Yolanda, must be first and second, though not necessarily in that order. A diagram of this analysis is as follows:

1	2	3	4	5	6	7
Steve or Yolanda	Steve or Yolanda	Willy	Unger, Tom, Violet, Xania (not necessarily in order, but in these four positions)			

Now check the answers against this analysis and diagram. Answer (D) is the only statement that “must be true”. All the remaining statements can be seen in the diagram as possibilities, but they are not statements that “must be true”.

14. The correct answer is (A). Focus on the limitations on the placement of Steve since the question tells you that Steve cannot be first. Based on the initial rules, you know that Steve cannot be third, and Steve also cannot be one of the last three people since Steve must get off before Unger, Tom, and Violet. Therefore, Steve can only be second or fourth.

1	2	3	4	5	6	7
	Steve?	Willy	Steve?			

Also focus on where in the diagram other people can or cannot be placed. Because Steve must get off before Unger, Violet, and Tom, it is clear that neither Unger, Violet, nor Tom may be first or second. As a result, answer (A) must be false, since Unger’s leaving before Willy would make Unger either first or second. This is a false statement, so the answer must be answer (A). The others are all statements that either could or must be true.

Answers 15-18

DISCUSSION – This is another ranking problem, which can be identified because the initial rules are giving you information about the finishing order of the contestants, and your task is to rank their finishing order.

15. The correct answer is (A). For this first question, Answer (A) is the only one that complies with all of the rules about the finishing order. Answer (B) is incorrect because Elmer is not in third. Answers (C) and (E) are incorrect because Alan may not finish first or last. Answer (D) is incorrect because Betty must finish before Charles and David.

16. The correct answer is (C). The one answer that is incorrect is answer (C) because Betty must finish before both Charles and David. All other answers present possible finishing orders.
17. The correct answer is (B). Alan specifically cannot finish first or last. Betty may finish first. Charles and David may not finish first because they must finish behind Betty. Elmer may not finish first because he must finish third. Faith may finish in any position. Therefore, either Betty or Faith could finish first, so the correct answer is (B).
18. The correct answer is (E). Based on the previous question, only Betty or Faith may finish first, so the only possible answers to this question are either answer (A) or (E). Betty may not finish last because she must finish ahead of Charles and David. Therefore, the answer is (E).

Answers 19 – 22

DISCUSSION - This is one of the hybrid problems that doesn't really fit neatly into one of the primary five categories. In a way, this is like a distribution problem since you have to place the people into different categories, but the rules are somewhat different. You need to pay close attention to the two different categories of employees (accountants and managers) and focus on how many of each are included in the selections.

19. The correct answer is (B). Answer (A) is incorrect because Frank must be chosen for Committee. A. Answer (B) is the correct answer. Answer (C) is incorrect because placing Holly on Committee B would require Gina also to be on Committee B. Answer (D) is incorrect because Committee A is given more managers than accountants. Answer (E) is incorrect because Committee B is given more accountants than managers.
20. The correct answer is (D). If Holly is chosen for Committee B, then Gina must also be on Committee. B. Because Holly and Gina are both accountants and Committee B may not have more accountants than managers, then the remaining two slots on Committee B must go to managers. Answer (D) is correct because it prevent Ed, an accountant, from taking a position on Committee B. The other statements could be either true or false.
21. The correct answer is (E). To prepare for this question, it is important to note that with eight committee slots and ten individuals, exactly two individuals will not be chosen. Because of the last rule about the committees, Paula and Ilsa may not both serve on committees at the same time. Therefore, either one or both of them

- must not be chosen. If Ed is one of the individuals who is not selected, then the other unselected individual must be either Paula or Ilsa. As a result, everyone except Paula and Ilsa MUST be chosen. Therefore, the answer is (E).
22. The correct answer is (C). This question relies on the exact same reasoning as question 20 above. If Holy is chosen for Committee B, then Gina must also be on Committee B. This places two accountants on Committee B already, so no more accountants may be selected for Committee B. Answer (C), therefore, is the correct answer, since Ed cannot serve on Committee B.
23. The correct answer is (E). The premise of this argument is presented as an if – then syllogism. The trick is that the sentence is inverted. It is easier to understand if you invert the sentence to read, “If you don’t use Blind-O Window Cleaner, then honk”. With an if-then argument, a valid conclusion may be reached if you are told that the “if” clause is true or that the “then” clause is false. Therefore, knowing that a driver does not use Blind-O Window Cleaner can result in a conclusion that the driver will not honk. Conversely, knowing that a driver is not honking can result in a conclusion that the driver does use Blind-O Window Cleaner. Hearing a driver honk is not sufficient to draw any conclusion , since that driver could be honking merely in relation to the traffic or for some reason unrelated to Blind-O Window Cleaner. Therefore, answer (A) is incorrect. Answer (B) is incorrect because it gets the argument backwards, since not honking would indicate using Blind-O Window Cleaner. Answer (C) is incorrect because it is logical to conclude, based on the message on the billboard, that not honking implies use of Blind-O Window Cleaner. Answer (D) is incorrect because knowing that a driver uses Blind-O Window Cleaner does not necessarily imply that he or she will or will not honk.
24. The correct answer is (D). Tom appears to believe that the problems that occurred to his 1994 car will occur again to any other car from the same manufacturer. This is a restatement of answer (D), the correct answer. Answer (A) is incorrect because nothing in the problem provides general evidence about the functioning of all electrical systems. Answers (B) and (C) are incorrect for a similar reason, that they overgeneralize the situation. Finally, nothing in the problem provides any evidence that could support answer (E).
25. The correct answer is (C). This problem presents Rep. Brown and Rep. Smith as nearly identical. If the result that happens to one, i.e., the recall, should happen to the other, this suggests that the outside forces-the voters-are also the same. Therefore, answer (C) should be the correct answer to explain why the two

representatives should be treated the same way. The other answers all present information that is irrelevant to the argument.

PRACTICE TEST 2 – ANSWERS

Answers 1-5

DISCUSSION – This is a ranking problem, since you have to rank the six newspapers according to subscription levels. The rules specify that “no two newspapers ever have the same number of customers”, so you are assumed of a “one-to-one” match, which is one of the key elements of a ranking problem. Your best way to succeed is to diagram the rules as much as possible.

The first rule tells you that *Tattler* has more subscribers than any other newspaper, so your diagram will be like this:

Least					Most
					<i>Tattler</i>

The second rule lets you only add the not that $I > G$, but you cannot yet place this information into the diagram.

The third rule tells you that *Newsmag* cannot ever be fifth or sixth since it must be greater than at least two others.

Therefore, *Newsmag* must be in either 2, 3, or 4

Least					Most
		<i>Newsmag?</i>	<i>Newsmag?</i>	<i>Newsmag?</i>	<i>Tattler</i>

The final rule is not one that can be diagrammed, but it must be remembered for use when it becomes relevant. If $I > S$, then $D > S$. However, if I is not greater than S , then the second half of the rule is irrelevant

Now you are ready to consider the questions.

1. The correct answer is (D). The best approach for a question like this is to check each answer to see if it violates any of the rules. Answers (A) and (C) are incorrect because *Newsmag* must be greater than at least two others. Answer (B) is incorrect because *Imprint* must be greater than *Globe*. Answer (E) is incorrect because *Imprint* is greater than *Spectator*, but *Dialer* is not also greater than *Spectator*, as required by the final rule.
2. The correct answer is (E). When you have a question like this with the “Roman numeral choices,” First consider each of them individually like single “true/false” questions and then match those responses to the five answers. Based on the diagram, the only information that is clear is that neither *Tattler* nor *Newsmag* could ever have the lowest subscription. Other than that, any other paper is possible. Therefore, the possible answer are I, II, and IV, so the answer is (E)
3. The correct answer is (C). The only initial rule relating to *Spectator* and *Dialer* is the fourth rule, which says that “Whenever *Imprint* gets more subscribers than *Spectator*, then *Dialer* will also have more subscriptions than *Spectator*” If, as this question now adds, *Spectator* is greater than *Dialer*, then it would be logically impossible for *Imprint* to have more than *Spectator*. (If *Imprint* were to have more than *Spectator*, then *Dialer* would also have to have more than *Spectator* and you would be caught with an impossibility.) Therefore, answer (C) is the statement that must be true, although it is stated is the negative (if *Imprint* cannot have more than *Spectator*). This is the same as saying that *Spectator* must have more than *Imprint*, which is answer (C).
4. The correct answer is (D). The best step when you are given a specific bit of information as in this question is to add that information to your diagram and then see what other conclusions you can draw:

Least					Most
		<i>Globe</i>	<i>Newsmag?</i>	<i>Newsmag?</i>	<i>Tattler</i>

Because of the rule that *Imprint* must have more than the *Globe*, then *Imprint* must be either second or third, with *Newsmag* taking the spot not taken by *Imprint*:

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Least					Most
		<i>Globe</i>	<i>Imprint</i> or <i>Newsomag?</i>	<i>Imprint</i> or <i>Newsomag?</i>	<i>Tattler</i>

Now the final two spaces must be taken by *Dialer* and *Spectator*. In either position, *Imprint* will have more subscriptions than *Spectator*, so *Dialer* must also have more subscriptions than *Spectator*. Therefore, *Spectator* must be last, and *Dialer* second to last:

Least					Most
<i>Spectator</i>	<i>Dialer</i>	<i>Globe</i>	<i>Imprint</i> or <i>Newsomag?</i>	<i>Imprint</i> or <i>Newsomag?</i>	<i>Tattler</i>

Now just check the answers for a statement that matches this diagram. It is evident that answers (A), (B), (C), and (E) are all statements that must be true. The only one that could be false is answer (D), which could either be true or false, depending on the placement of *Imprint* and *Newsomag* as second or third. The answer is (D)

5. The correct answer is [D]. As with the preceding question, the best approach is to add the new information, that there are only two spaces lower than *Imprint*, into a diagram:

Least					Most
		<i>Imprint</i>	<i>Newsomag?</i>	<i>Newsomag?</i>	<i>Tattler</i>

Now, because *Imprint* must have more than *Globe*, you can mark that *Globe* must be in one of the last two spaces:

Least					Most
<i>Globe?</i>	<i>Globe?</i>	<i>Imprint</i>	<i>Newsmag?</i>	<i>Newsmag?</i>	<i>Tattler</i>

You don't have as much detail completed as with the preceding question, but at this point there is nothing more that can be concluded. Since the question asks you to find the one statement that could NOT be true, you are looking for a statement that must be false. From the diagram, answers (A) and (B) clearly could be true, and so are incorrect. Answer (C) is not evident from the diagram, either true or false. For that reason, it is smart test-taking strategy to skip it for now, and go on to see if you find another answer that clearly must be false. Answer (D), in fact, shows that it must be false, since the diagram shows that either of the two possible positions for *Globe* are both lower than either of the two possible positions for *Newsmag*. Therefore, answer [D] must be false and is therefore the correct answer. Answer [E] may or may not be true.

6. The correct answer is (C). This passage presents the argument that crime rates have been lowest when inflation has been highest and that raising inflation again will lower crime rates. Thus, selection I is a valid assumption. In the final sentence of the passage, the statement that the Federal Reserve needs to take action assumes that the Federal Reserve has the power to do something about this issue. Therefore, selection III is an invalid assumption. Selection II goes beyond the scope of the passage, which says nothing about the cause of inflation or its effects on society. Therefore, the correct answer is (C).
7. The correct answer is (B). Answer (B) would weaken the argument by illustrating that crime rates can remain high when inflation is also high, thus contradicting a part of the argument's assumption. Answer (A) is close, suggesting that the Federal Reserve cannot take action as recommended, but answers (A) is not as strong an answer as (B); it is still possible that the Federal Reserve may act and the President may approve of its actions. Answers (C) and (E) both focus on crime rates in particular parts of the country, but neither addresses the nationwide aspect of the problem or the connection to inflation. Answer (D) is incorrect because the relative rates of inflation of the two time periods is irrelevant; nothing in the argument mentions anything about the 1980s.
8. The correct answer is (D). This question asks for a statement to strengthen the conclusion that Megan's Law will decrease repeat sexual offenses. Answer (D)

shows that community members will take actions to protect their children as a result of the law, resulting in less opportunity for repeat offenses to occur. Answer (A) addresses initial convictions but not repeat offences. Answer (B) addresses what residents “prefer” but does not address any direct action they might take to reduce repeat offenses. Answer (C) appears to be a similar situation, but without more information making a connection between drunk driving incidents and sexual offenses, it is irrelevant. Answer (E) is entirely irrelevant.

Answers 9-14

DISCUSSION – This is a distribution problem since you do not have a “one-to-one” match, but you are essentially “placing” items in their positions. The general strategies of a ranking problem apply, but you have the added element of having two sides of the street to deal with. (If these were simply 10 stores in a straight row, it would probably be a ranking problem)

The first step is to determine the “structure” of the diagram. You are told that there are five stores on one side of the street and five stores on the other, so the initial diagram looks like this:

North					
South					

You are told that the store are numbered consecutively, as follows:

North	1	2	3	4	5
South	6	7	8	9	10

Now try to place the information from the rules into the diagram. The most “diagrammable” rule is the last one that Frank’s Auto is in Building. 7.

North	1	2	3	4	5
South	6	7 Frank	8	9	10

Now the second rule, that Cat Supplies Plus and Everything’s Roses may not be adjacent to Frank’s Auto can be marked in:

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North	1	2	3	4	5
South	6 NOT C/E	7 Frank	8 NOT C/E	9	10

If Bell Bottom Jeans and Danny's Hobbies must be at opposite ends of the same street, then they must be in either 1 and 5 or 6 and 10. because of the rule that Danny's Hobbies and Everything's Roses must both be in odd-numbered buildings, you can tell that the B and D combination must be in 1 and 5

North	1 B/D	2	3	4	5 B/D
South	6 NOT C/E	7 Frank	8 NOT C/E	9	10

Because E must be in an odd-numbered building, it must be in either 3 or 9, the only odd-number buildings remaining:

North	1 B/D	2	3 E?	4	5 B/D
South	6 NOT C/E	7 Frank	8 NOT C/E	9 E?	10

Now, still before beginning the questions, it is useful to take stock of all the information you know and analyze the conclusions you can draw.

Building 1 Must contain either B or D

Building 2 has no specific information apparent, but you can determine some information about "negative" information. Building 2 CANNOT contain B,D,E or F. it may or may not contain A,C, or G (it might just be left empty)

Building 3 may contain E. It CANNOT contain B, D, or F, so other possibilities are A,C,E, or G, or it could be empty.

Building 4 has no specific information, but it is clear that it CANNOT contain B,D,E or F, so it might contain A, C or G.

Building 5 must contain either B or D (whichever is not in Building 1)

Building 6 has no specific information about which stores it MAY contain, but you know a lot about what it CANNOT contain. Building 6 CANNOT contain B (which is in either 1 or 5), C (which cannot be next to F), D (which is in either 1 or 5), E (which must be in an odd numbered building), or F (which is in 7). Therefore, Building 6 may contain only A or G or be empty.

Building 7 must contain Frank's Auto.

Building 8 has exactly the same limitations as Building 6, so its options are A, G, or empty.

Building 9 could contain E. it CANNOT contain B,D, or F, so its options are A,C,E,G, or empty.

Building 10 CANNOT contain B,D,E, or F, so the options are A,C,G or empty

You are now ready to consider the questions.

9. The correct answer is (D). For this question, just check each of the answers against the rules to see which answer violates any of the rules. Answers (A), (B), and (E) are all incorrect because building 1 may only contain B or D. answer (C) is incorrect because ABC Learning and Cat Supplies Plus cannot be on the same side of the street. Therefore, the answer must be (D)
10. The correct answer is (C). This analysis is similar to the analysis for the first question, but you must focus on the requirements for the other side of the street. Answers (A) and (E) are incorrect because ABC Learning and Cat Supplies Plus cannot be on the same side of the street. Answers (B) and (D) are both incorrect because Bell Bottom Jeans and Danny's Hobbies must be on the north side of the street, and therefore neither one can be on the south side. Therefore, the answer must be answer (C).
11. The correct answer is (E). Consider the initial analysis for Building 6 and Building 8. The only options for both buildings were A, G, or empty. If "empty" is removed as an option, then it becomes evident that A must be in one of these two building, and G must be in the other.

North	1B/D	2	3	4	5 B/D
South	6 A or G	7 Frank	8A or G	9	10

Because ABC Learning is on the south side of the street, then Cat Supplies Plus must be on the north side, in either 2, 3, or 4. Recalling the original analysis, the only options for building 10 were A, C, G, or empty. Since A, C, and G have all been accounted for, it is therefore clear that Building 10 must be left vacant.

North	1B/D	2 C??	3C? E?	4 C?	5 B/D
South	6 A or G	7 Frank	8A or G	9 E?	10 empty

Compare this diagram to the answers, and it is clear that the answer must be E. All the other statements either must be false or could be made false.

12. The correct answer is (A). Because Frank's Auto is known to be on the south side of the street, this question requires that Everything's Roses must be on the north side. Since Everything's Roses must in an odd-numbered store, the only place it can go is Building 3. Immediately, you see that answer (A) must be false and is the answer. No further analysis is necessary.
13. The correct answer is (B). Again, because Frank's Auto is locked into Building 7 on the south side, this question now places ABC Learning on the north side of the street, into Building 2,3, or 4. The options for Buildings 6 and 8 are now limited to either "Gotta Dance" Studio or empty. Finally, because ABC Learning is on the north side of the street, Cat Supplies Plus must be on the south side. The only places for it are either Building 9 or 10. the diagram now looks like this:

North	1 B/D	2A?	3 A? E?	4A?	5 B/D
South	6 G/empty	7 Frank	8 G/empty	9 C? E?	10 C?

Because the question asks for the statement that "could be false," any statement that must be true is incorrect. Answer (A) must be true and is therefore incorrect because the diagram shows that Cat Supplies Plus must be ether Building 9 or 10, both on the south side of the street. Answer (B) is the answer, since Everything's Roses might be in Building 9 or it might be in Building 3. Answer (C) is true, so it is incorrect. Answer (D) could be true, so it is incorrect. Answer (E) must be true since A is in either 2,3, or 4 and C is in 9 or 10.

14. The correct answer is (E). Because the question asks you to test which situations are impossible, if you can find any possible arrangement that makes the situation work, then it is incorrect. For the first selection, that all stores on the north side are occupied, it is possible to arrange the stores as follows:

North	1B	2C	3E	4G	5D
South	6A	7 Frank	8 empty	9 empty	10 empty

Remember that this is not necessarily the only arrangement of the stores, but you are only asked for any possible arrangement that has the north side fully occupied. Because it is possible, then selection I cannot be included in the answer of impossible situations. Therefore, the correct answer must be either answers (B), (C), or (E).

Now test situation II. The only options for occupying Buildings 6 and 8 are ABC Learning and "Gotta Dance" Studio, so one of them would have to go in one building

and one in the other. Because these two stores are taken, the only one remaining to occupy Building 10 is Cat Supplies Plus (recall the initial analysis that the only option for Building 10 are A, C, G, or empty). However, this creates an impossibility, since A and C cannot be on the same side of the street. Therefore, situation II is impossible, so the correct answer must be either answers (B), (D) or (E). Because (D) has already been eliminated, the options are (B) or (E).

Now test situation III. Recognize that Buildings 1, 5 and 7 are already occupied by, B D, and F. Therefore, there are only four store names left to be placed, but there are five even-numbered buildings. Therefore, it would be impossible to have all even-numbered stores occupied, so situation III must be included in the answer.

The correct answer is (E), which includes both II and III.

Answers 15-18

DISCUSSION - This is a hybrid type of problem, which does not fit into any of the five primary categories. When faced with a problem type that is otherwise unidentifiable, your best method of success is to read the initial set of rules very carefully and pay close attention to the details.

15. The correct answer is (D). Counting the languages spoken by the individual people reveals that A, C, D, and E speak Spanish. No other language has four people.
16. The correct answer is (E). The only two people listed who share a common language are B and F, who could speak to each other in Swedish. None of the other pairs of people have a common language.
17. The correct answer is (B). Both A and D could talk to B in English and then translate to C in Spanish. E and B have nothing in common, so E could not translate. F and C have no language in common, so F could not translate. Therefore, the answer is (B).
18. The correct answer is (C). The only person who can talk directly to F is B, in Swedish, so there must be at least this one translator. However, B and C cannot talk directly to each other, so another translator is needed. Based on the previous question, B and C need only one translator, either A or D, so the fewest number of translators necessary between C and F is two. Therefore, the answer is (C).

Answers 19-22

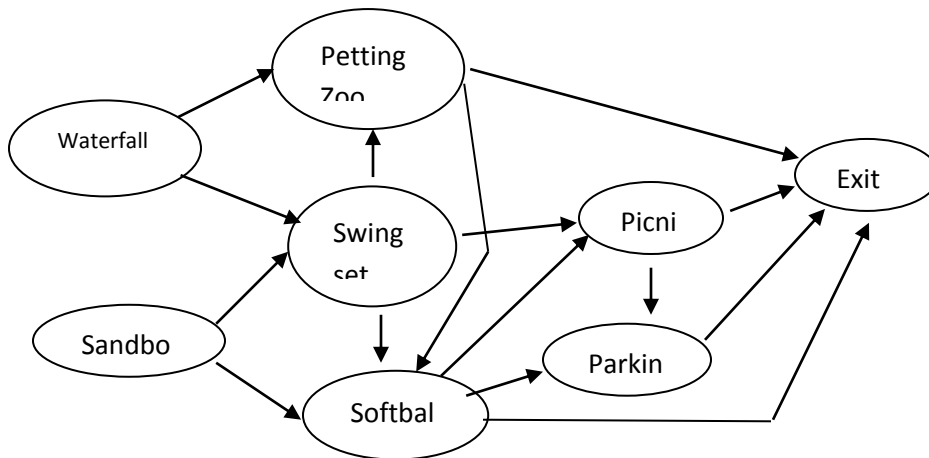
- DISCUSSION** - This is a mapping problem, which should be easy to identify by the several references to directions, such as north, south, east, and west. Whenever you see initial rules with these references, you almost always have a mapping problem. This mapping problem is slightly different from most others because there is not a central “point” that divides the area into four quadrants. Instead, you have only a single dividing line, cutting the playing field into two halves. Otherwise, the strategy is the same as for a mapping problem.
19. The correct answer is (D). The first rule requires that 1, 2, and 3 belong to Team A. Therefore, answer (B) is incorrect. Outposts 4 and 5 belong to Team B, so answers (A) and (C) are incorrect. Answer (E) is incorrect because both Outpost 9 and Outpost 10 cannot belong to the same team, or that team would have six outposts. Therefore, answer (D) is correct.
 20. The correct answer is (B). Team B must have Outposts 4, 5, and 6, so answer (A) is incorrect. Because Outpost 7 is the farthest west, it must belong to Team A, so answers (C) and (E) are incorrect. Answer (D) is incorrect because Outposts 8 and 9 may not belong to the same team. Therefore, answer (B) is correct.
 21. The correct answer is (E). Outpost 8 has not previously been assigned to either team. However, because Outpost 1 is farther north than any other, then Outpost 8 may not belong to the same team as Outpost 1. Therefore, Outpost 8 must belong to Team B, so answer (D) is incorrect. Because Outpost 8 and Outpost 9 cannot belong to the same team, Outpost 9 must belong to Team A. Therefore, answer (E) is correct. Answers (A) and (B) could be true but could also be false since Outposts 8, 2, and 3 do not belong to the same team. Answer (C) could be either true or false since there are no limits on the placement of Outposts 8 and 5 in the east-west direction.
 22. The correct answer is (D). Answer (A) is incorrect because it has already been shown that Outposts 8 and 9 cannot belong to the same team, regardless of the placement of Outpost 7. Answer (B) is incorrect because if Outpost 2 is north of Outpost 7, then Outpost 5, which is due east of Outpost 2, must also be north of Outpost 7. In addition, Outpost 1 must be north of all other outposts. Therefore, if Outpost 2 and 8 are north of Outpost 7, then a total of four outposts will be north of Outpost 7. Similarly, answer (C) is incorrect because placing outposts 4 and 5 north of Outpost 7 would require a total of four outposts (4, 5, 2, and 1) to be north of Outpost 7. Answer (D) could be true, and is therefore the correct answer, because Outpost 8 could be placed anywhere and could therefore be south of Outposts 1 and 5 (and 2). Answer (E) is incorrect because Outpost 7 is

- on the same side of the border as Outpost 1, and Outpost 1 must be the farthest north.
23. The correct answer is (B). The stated premises lead to the conclusion that someone in desperation may turn to unethical or illegal behaviour. Answer (B) illustrates someone in a desperate situation turning to illegal behaviour. Answer (A) goes beyond the scope of the argument by making unsupported judgment decision about bankruptcy. Answer (C) is unsupported because nothing in the argument addresses the federal budget. Answers (D) and (E) may be correct statements, but they are not directly connected to the passage and are therefore incorrect answers.
 24. The correct answer is (E). The passage assumes that neanderthals began at least 1 million years ago because of the statement that *Homo erectus* survived until about 1 million years ago. The assumption, therefore, is that there must have been some overlap between the two species. Answers (A), (C), and (D) may all be accurate scientific statements, but they are incorrect answers here because nothing in this passage says that correct humans are in any way related to the other two species. Answer (B) is incorrect because the passage does not depend on the method of determining the dates; the dates that are provided in the premises are accepted as true.
 25. The correct answer is (A). This passage concludes that a cover letter is instrumental in obtaining a job in sales. Answer (A) directly contradicts this by showing that the cover letter often are not read at all. Answer (B) is incorrect because the passage is not concerned with the merits of a job in sales but only with the methods of getting one. Answers (C) and (D) are incorrect because the passage is concerned with those jobs for which a resume is required; these statements are irrelevant. Answer (E) is incorrect because it says nothing about the cover letter.

PRACTICE TEST 3 ANSWERS

Answer 1-5

DISCUSSION -This is a connection problem. You can identify this because of the initial rules that provide many locations, with many rules informing you of connections between them. The best diagram for this kind of problem is to begin with the first rule and then draw a “map” of connections as the rules present them. Then simply use the diagram to answer the questions. The diagram for these initial rules would look like this.



With your completed diagram, you are ready to work on the questions.

1. The correct answer is (D). The best approach for this kind of question, which asks for a statement that “must be true” is to test each selection to see if it could possibly be false. If any statement could be false, then it will be incorrect. Answer (A) is incorrect because there is no pathway from the Waterfall to the Sandbox. Answer (B) is incorrect because it is possible for a visitor to visit the Picnic Area after entering at the Waterfall (example: Waterfall, Swingset, Picnic Area). Answer (C) is incorrect because it is possible for a visitor NOT to visit either the Swingset or the Softball Field. Answer (D) must be true because the visitor will first see the Waterfall but cannot then go directly to the Exit and so must visit at least one other area. Answer (E) is incorrect because it is possible for a visitor to visit more than five areas (example: Waterfall, Swingset, Petting Zoo, Softball field, Picnic Area, Parking Lot)
2. The correct answer is (D). There are seven areas in the park. It is impossible for someone who enters at the Sandbox to see the Waterfall. The same visitor MAY visit all remaining areas (Sandbox, Swingset, Petting Zoo, Softball Field, Picnic Area, Parking Lot). Therefore, the maximum number of different areas is six.
3. The correct answer is (E). If the Picnic Area is the last area visited before the Exit, the visitor cannot go to the Parking Lot because from the Picnic Area, a visitor may only go to either the Parking Lot or the Exit. Therefore, answer (E) must be false. Any selection that could be true is incorrect. Answer (A) could be true, and is therefore incorrect because it is possible to get to the Picnic Area from either entrance. Answer (B) could be true, and is therefore incorrect, because it is possible to get from the Petting Zoo to the Picnic Area. Answers (C) and (D),

both regarding the Softball Field, could each be true, and are therefore incorrect, because it is possible but not necessary to visit the Softball Field on the way to the Picnic Area.

4. The correct answer is (C). From the Softball Field, the only possible remaining pathways are (1) to the Exit directly, (2) to the Picnic Area and then the Exit, (3) to the Parking Lot and then the Exit, or (4) to the Picnic Area, the Parking Lot, and then the Exit. Because of the last of these options, then answer (C) could be true and is therefore the correct answer. For the same reasons, (A) and (B) are incorrect. Answer (D) is incorrect because the maximum number of areas visited before the Softball Field is three (Waterfall, Swingset, Petting Zoo or Sandbox, Swingset, Petting Zoo). Answer (E) is incorrect because the visitor cannot visit the Picnic Area before the Softball field.
5. The correct answer is (A). Test each answer against the map of pathways to find a flaw. Answer (A) is the only possible selection. Answer (B) is incorrect because a visitor cannot go from the Petting Zoo to the Swingset. Answer (C) is incorrect because a visitor cannot go from the Waterfall directly to the Softball Field. Answer (D) is incorrect because a visitor cannot go from the Picnic Area to the Softball Field. Answer (E) is incorrect because a visitor cannot go from the Parking Lot to the Petting Zoo.
6. The correct answer is (D). This is a conclusion question, in which you need to consider the details in the argument and use those facts to reach a conclusion. From the first sentence, if the sun rises before 6.00, then it can be concluded that Michael will not walk his dog before sunrise. This is answer (D).
7. The correct answer is (A). The question stem tells you directly that you are being asked to identify the assumption for this argument. To identify an assumption, you must read the initial facts of the argument, find the conclusion of the argument, and then figure out what the “connection” between them must be. that connection is the assumption. The conclusion in this argument assumes that an increase in Greek restaurants indicates on overall increase in people going to restaurants. Answer (A) indirectly restates this assumption by requiring that the number of other restaurants must not be declining to make room for the new Greek restaurants. Answer (B) is close to the correct answer, but it would allow the number of other restaurants to decline in order to make room for the Greek restaurants, so the total number of people attending restaurants may not be increasing. Answer (C) is incorrect because the issue is the number of people

going out to eat, not the popularity of any particular kind of restaurant. Answer (D) raises a new issue, which might provide another fact suggesting an increase in the number of people eating out, but it is not directly enough related to this problem. Answer (E) is incorrect because the total number of people eating out may still be increasing, even if every restaurant is not filled to capacity.

8. The correct answer is (B). The “Which of the following, if true... ?” structure of this question shows you that this is an additional fact question. Your task is to find the answer that provides information that remains relevant to the initial argument and then answers the question. In this case, you are asked to find a statement that weakens the initial argument and then answers the question. In this case, you are asked to find a statement that weakens the initial argument. This problem assumes that all sports figures will earn more than \$1 million from merchandising and endorsements. By negating this assumption, answer (B) weakens the argument. Answers (A), (C), and (D) are all true statements, but they do not directly connect the Chief Justice’s salary to sports figures’ incomes. Answer (E) is incorrect because the relative levels of fame of different sports figures is not part of the problem.

Answers 9-14

DISCUSSION - This is a ranking problem. This can be seen from the initial that give you information about the finishing order of the contestants. There is a requirement that there are no ties, which lets you know that there is a “one-to-one” relationship between the finishing spaces and the people involved, one of the key elements of a ranking problem.

The best preparation for the kind of problem is to diagram as much as you can using the information given.

		Ed			(Not Adam)
1	2	3	4	5	6

Ben/David or David/Ben must finish together, i.e., either both first and second, fourth and fifth, or fifth and sixth.

9. The correct answer is (E). For a question like this one, asking you to choose a possible ranking, the best method is to check each answer against the rules

provided until you find a conflict with the rules. Answer (A) is incorrect because Edgar is not third. Answer (B) is incorrect because Adam is not allowed to finish last. Answers (C) and (D) are incorrect because David and Ben must finish adjacent to each other. Answer (E) is the only answer that conforms to all the rules.

10. The correct answer is (A). This kind of question is approached the same way as the one above, but the correct answer is the one choice that does not conform to all the rules. Answer (A) is the correct answer because it does not have Edgar finishing third. All other answers are possible arrangements.
11. The correct answer is (C). When the question provides additional information, place the information into the diagram and see how much additional information you can learn. In this case, if Adam is fifth, the only possible placement for Ben and David to finish adjacent to each other is in the first and second positions. Therefore, answer (C) is the correct answer. Answer (A) is incorrect because Frank could be last but may not be first since either David or Ben must be first. Answer (B) is incorrect for the same reason. Answer (D) is incorrect because Ben could finish second. Answer (E) is incorrect because Edgar must finish third, from the initial rules.
12. The correct answer is (B). If Edgar, in third place, finishes before Ben, then Ben must be either fourth, fifth, or sixth. Because Ben and David must finish in adjacent positions, then David must be fifth if Ben is fourth, David may be fourth or sixth if Ben is fifth, and David must be fifth if Ben is sixth. From this analysis, it is clear that the fifth position must be taken by either Ben or David (and the other one may be in either fourth or sixth). Because fifth place must be taken by either Ben or David, then answer (B) must be false and is therefore the correct answer. Each of the other answers could be true, even though they may not be required to be true.
13. The correct answer is (D). The best approach to this question is to consider which runners CANNOT finish last, and then the answer must list all other runners. From the initial rules, Adam may not finish last. Edgar must finish third and so cannot be last. There are no other rules prohibiting any other runner from finishing last. Therefore, the correct answer must be (D), listing the remaining four runners.
14. The correct answer is (D). If David is first, then Ben must be second, since these two must finish together. Third place is taken by Edgar. Adam must be either fourth or fifth since he cannot be last. Carl and Frank may take any position from fourth to sixth. Answer (A) is incorrect because for Carl and Frank both to finish

before Adam would place Adam into last position, which is not allowed. Answer (B) is incorrect because Ben finishes second only to David. Answer (C) is incorrect because Adam must finish after Ben. Answer (D) is the correct answer because Frank could finish fourth, with Adam fifth and Carl sixth. Answer (E) is incorrect because Edgar must finish before Carl.

Answer 15-18

DISCUSSION –This problem can be identified as a distribution problem as soon as you realize that there are “two rows” of people to be placed. This is not a simple ranking problem because the people are not all placed in a single straight row. You need to pay attention not only to where people are in relation to each other side by side but also to whether they are “in front” or “in back”. The rules are mostly the same, but you have this additional factor to consider. The solution still begins with creating a diagram to mark out the initial rules, which will then help you with answering the questions.

15. The correct answer is (D). This question presents four correct seatings and one incorrect one. Answer (D) is the incorrect seating because it places Leroy directly in front of Marion. All the other answers present possible seating arrangements.
16. The correct answer is (B). Answer (B) is the one sentence that must be false. Suggesting that Peter and Ophelia sit next to Quint would place them in Seats 1 and 3 of the second row. However, Peter and Ophelia must both sit somewhere to the right of Kathy. If one of them is in Seat 1, then this rule is broken. Therefore, answer (B) must be false. All other statement could be true.
17. The correct answer is (E). If Ophelia and Peter sit next to each other in the front row, then Kathy must be in either Seat 1 or 2 of the front row so that they will remain on her right. This will leave one empty seat in the front row and three empty seats – seats 1, 3, and 4 – in the second row. Answer (E) is the statement that must be false because placing Marion and Leroy left of Quint would require them to be either directly next to each other or one directly in front of the other. All other answers are possible.
18. The correct answer is (C). If Kathy and Nate must both be in Seat 3s and because Kathy must be in the front row, then Kathy is in the front row Seat 3 and Nate is in the back row Seat 3. Because Peter and Ophelia must be somewhere to the right of Kathy, then they must both be in Seat 4, one in front of the other (either order). This leaves Leroy, Marion, and Robert, and the open seats are Row 1, Seats 1 and 2, and Row 2, Seat 1. Because Leroy and Marion may not be next to

each other, they cannot both be in Row 1, and because they cannot be directly in front or back of each other, they cannot both be in Seat 1. Therefore, one of them must be in Row 2, Seat 1, and the other must be in Row 1, Seat 2. Finally, Robert must be in Row 1, Seat 1, because it is the only available seat. Therefore, the one statement that could be false is answer (C) since Leroy could be in either Row 2, Seat 1, or Row 1, Seat 2. All other statements must be true.

Answers 19-22

DISCUSSION - This is a hybrid question, which is unlike any of the five primary question types. This “secret code” requires you to pay attention to the rules, but the rules are not the kind that can be easily diagrammed. Instead, you must review the rules carefully at the beginning of the problem and then, for each question, make sure that you take account of all the rules involved.

19. The correct answer is (A). Answer (A) is the one choice that satisfies all the rules. Answer (B) is incorrect because 4 may not be the last number in a code word. Answer (C) is incorrect because 2 must be the last number, since 2 is the second number. Answer (D) is incorrect because 1 must be the first number. Answer (E) is incorrect because the word must have a 4 if it ends in 5.
20. The correct answer is (D). This question contains a negative “not”. Therefore, four of the answers may make acceptable three-number code words and one does not. The first thing to notice is that every word must contain the number 1 and may only use the number 1 once. Therefore, answers (A), (D), and (E), with only two numbers, will start with 1 and repeat the other number twice. Answer (A) is incorrect because the word 122 would be acceptable. Answer (B), with three numbers given, would allow the answers 124 and 142; the first of these is not possible because a word may not end in 4, but the second, 142, is allowable, so B is incorrect. Answer (C) would allow the words 125 or 152. 125 is not allowed because, with 2 as the second number, it would have to end with 2; however, 152 is allowable, so (C) is incorrect. Answer (D) is the correct answer because the word 155 is not allowed, since a word ending in 5 would have to contain the number 4. Answer (E) is incorrect because the word 133 is allowable.
21. The correct answer is (B). With the three numbers 1, 2, and 3, where the number 1 must appear only in the first position, the possibilities are 122, 133, 123, and 132. The only word that is not allowable is 123, since having 2 in the second position would require a 2 at the end. Therefore, the answer is three words are possible.

22. The correct answer is (B). if a word ends in 5, then the word must contain a 4. The word will also have to start with 1 since all words must. However, the three-number word 145 would be allowable, so answer (A) is incorrect. Answer (B) is the answer, since, if 2 were the second number, then a 2 would also have to be the last number, if this were the case, then the word could not end in 5. As a result, 2 may not be the second number. Answers (C) and (E) could both be true, but they could also be false. Answer (D) must be false since I may only appear first.
23. The correct answer is (B). For a conclusions question, which is the category for this question type, your first object is to read the statements of the argument closely and limit your conclusion to the explicit statements that are provided for you. Be careful not to make connections that are not already stated in the argument. Nothing in the two sentences of the problem directly links Redford and Spielberg. Therefore, it possible that the two could be linked, so answer (B) is correct. (Note that answer (B) does not say that ANY movies directed by Spielberg ARE starring Redford, just that they could). Answers (A) and (E) are incorrect because there is no link between Spielberg and the Academy Awards. Answers (C) and (D) directly contradict the first sentence and so are incorrect.
24. The correct answer is (B). This argument directly connects the number of variations created based on a composer's original music to that composer's "greatness". This is answer (B). Answers (A) and (D) both stretches beyond the scope of the original argument. Answer (C) is incorrect because it adds the fact of a single additional composer generally irrelevant to the argument. Finally, answer (E) is incorrect because Chopin's motive is not mentioned in the problem.
25. The correct answer is (E). Whenever you see a question stem that asks, as this one does, for you to select a statement that "must be true", the question is a conclusions question. Your task for this question is to focus carefully on the specific facts in the argument alone, and do not make any assumptions or even any "common sense" connections that are not explicitly stated. In this question, since no President had been impeached since 1865, then at no time since then has the government spent more than \$2 billion on travel expenses. As a result of that conclusion, it can also be concluded that no budget since then has exceeded \$8 trillion. Therefore, answer (E) is the correct answer. Answer (A), (B), and (D) all contradict these conclusions. Answer (C) may or may not be a true statement, but that does not make it a logical conclusion based on the information provided.

PRACTICE TEST 4 - ANSWERS

Answers 1-5

DISCUSSION - This is a distribution problem, since the number of classrooms does not directly match the number of available room spaces. Your task is to distribute the classes into the appropriate rooms.

1. The correct answer is (D). The rules provided do not give enough introductory information to allow a complete diagram of the classroom spaces, so the best approach is to test each of the answers to see which one must be false. Answer (A) is incorrect because no two history classes may be on the same floor. Answer (B) is incorrect because Ancient Asia may not be on the first floor. Answer (C) is incorrect because Special Stocks must be paired with Confucius at Work and therefore cannot be paired with Unstable Markets. Answer (D) is the correct choice because there is not enough information to suggest that Babylon Times and Confucius at Work may not be on adjacent floors. Answer (E) is incorrect because placing the business classes on the even-numbered floors only would require Confucius at Work and Special Stocks to share one floor and Turnovers & Mergers and Unstable Markets to share the other floor. Only two other classes remain, with three vacant floors. Since no floor may remain vacant, this arrangement is impossible.
2. The correct answer is (E). For the same reason that answer (E) of the previous question is incorrect, Unstable Markets may not share a floor with any other classroom. If Unstable Markets shared a floor with any other classroom and considering that Confucius at Work and Special Stocks must share a floor, then only two other classes would remain to fill three vacant floors. (By this point you should recognize, for following questions, that Confucius at Work and Special Stocks are the only two classes that are allowed to share a floor.)
3. The correct answer is (B). If the business classes are on odd-numbered floors only, then Dental Associates and Special Stocks must be on the first floor, since that is the only odd-numbered floor with two classroom spaces. Therefore. Turnovers & Mergers and Unstable Markets will be on floors 3 and 5, in either order, and Ancient Asia and Babylon Times will be on either floor 2 or 4. Considering this information, answer (B) is the only possible answer. All other selections must be false.
4. The correct answer is (A). If Confucius at Work is on the first floor, then Special Stocks must also be on the first floor. Because the business classes may not be on adjacent floors and because the remaining Floors 2 through 5 will each have

exactly one class, then the business classes will have to be on the odd-numbered floors and the remaining two history classes will have to be on the even-numbered floors. Therefore, answer (A), placing a business class on an even-numbered floor, must be false and is the correct answer. The other answers are all possibly true.

5. The correct answer is (A). From the analysis of the previous question, it should be evident by now that the combination of Confucius at Work and Special Stocks must be on the first floor. No other location is possible. If this pair were placed on the second floor, then no business class could be on either the first or third floor, since two business classes may not be on adjacent floors. As a result, the remaining two business classes must either both be on the fourth floor or must be on levels four and five. They cannot both be on level four because that would leave three empty floors to be occupied by only the two remaining history classes. They cannot be on levels four and five because two business classes may not be on adjacent floors. Therefore, the Confucius at Work/Special Stocks combination may not be on the second floor. The same analysis would show why this pair cannot be on the fourth floor. Therefore, Confucius at Work and Special Stocks must be on the first floor, so neither one, obviously, may be on the second floor. Therefore, answers (D) and (E) are incorrect. Because no two business classes may be on adjacent floors, then the second floor may not have either Turnovers & Mergers on Unstable Markets. Therefore, answers (B) and (C) are incorrect.
6. The correct answer is (D). The conclusion assumes that stock brokers would have some added knowledge or insight that would give them more success at playing the game. Answer (D) negates this assumption by making all players equal, providing everyone with the complete rules and strategies. Answer (A) is incorrect because it would strengthen, not weaken, the conclusion. Answer (B) and (E) are irrelevant statements about the game, which do not address the issue of the stock brokers. Answer (C) is incorrect because, although it may be a true statement, it does not address the level of success of the stock brokers who do have time to play the game.
7. The correct answer is (A). If the iguanas have been on the Earth “continuously” for 5 million years and the dinosaurs have never existed at the same time as the iguanas, then it can be concluded that the dinosaurs disappeared before the iguanas appeared more than 5 million years ago. This is answer (A). Note that the first sentence of the problem only says that the dinosaurs became extinct ‘at least’ 3 million years ago; 5 million years ago is still consistent with this

- statement, so answer (B) is incorrect. Answer (C) cannot be concluded because it goes beyond the scope of the problem. Answer (D) directly contradicts the last sentence of the problem, and answer (E) directly contradicts the second sentence.
8. The correct answer is (A). The conclusion assumes that the total number of inches of rainfall is the only fact that determines the amount of money needed for flood insurance or recovery. Answer (A) suggests that it may be the number of individual rainfalls, regardless of the amount of rain that falls each time, that indicates the amount of money required. Answers (B), (C), and (D) all address issues not directly related to this argument. Answer (E) is incorrect because it talks about the history of the area but does not make the connection between this year's rainfall and this year's costs.

Answer 9-14

- DISCUSSION** – This is a scheduling problem, which becomes evident when you see the key words that the teacher is “scheduling” teaching sessions, with one student per session, and those sessions are scheduled for mornings and afternoons during the week.
9. The correct answer is (E). Check each answer against the rules to see which cause conflicts. Answer (A) is incorrect because Albert and Billie must have their lesson the same day and therefore cannot both appear in the morning. Answer (B) is incorrect because Chuckie can only appear in the afternoon. Answer (C) is incorrect because Felicia must be on Monday. Answer (D) is incorrect because George cannot have his lesson on Thursday. Answer (E) is correct because it satisfies all the rules.
10. The correct answer is (C). This question needs the same approach as the previous question. Answer (A) is incorrect because Felicia must have her lesson in the morning. Answer (B) is incorrect because Dolly must have her lesson in the morning. Answer (C) is the correct answer. Answer (D) is incorrect because Albert and Billie must appear on the same day. Answer (E) is incorrect because Dolly must appear in the morning.
11. The correct answer is (D). Answer (A) is incorrect because Albert and Billie must be scheduled for the same day, so Albert and Felicia cannot be on the same day. Answer (B) is incorrect for the same reason. Answer (C) is incorrect because George is not available on Thursdays. Answer (D) is the correct answer because Felicia must be Monday morning and Chuckie must be any afternoon. Answer (E) is incorrect because Felicia must be on Monday morning.

12. The correct answer is (B). The first couple, George and Felicia, could be together, both on Monday. The second couple, Albert and Chuckie, cannot be on the same day because Albert and Billie must be on the same day. The third couple, Felicia and Dolly, cannot be on the same day because Felicia must be Monday morning and Dolly must also be in the morning only. The fourth couple, Ellis and Chuckie, have no limitations and may be together. Therefore, the correct answer is selection (B), answers II and III.
13. The correct answer is (C). If Albert's lesson is on Wednesday afternoon, then Billie must be on Wednesday morning. As a result, answer (C) must be false, since Billie and Chuckie cannot be on the same day. The other answers are all possible, though not necessarily true.
14. The correct answer is (D). If Albert is on Friday, the Billie must also be on Friday. Therefore, neither of them can be on Monday. So answers (A) and (C) are incorrect. Because Felicia must be Monday morning, the correct answer must include Felicia. However, because Dolly must also be in the morning, she cannot be on Monday, since Monday morning is already taken by Felicia. Therefore, the correct answer cannot include Dolly. As a result, answers (B) and (E) are incorrect and answer (D) must be the answer.

Answer 15-18

DISCUSSION - This is a mapping problem, as can be seen by the directional rules "north", "south", "east", and "west." The central station for the network is at the center of the grid for your diagram.

15. The correct answer is (C). From the set of initial rules, Station D may not be north of Station C, and Station C must be in Quadrant II. Therefore, Station D may not be in Quadrant I or IV. If Station C is the only station in Quadrant II, then Station D will have to be in Quadrant III. Therefore, the answer is (C). The other answers are all possibly true but are not necessarily true.
16. The correct answer is (D). If Quadrant I has three stations, and Quadrant IV must have at least two stations from the initial rules, then only three stations remain for Quadrants II and III together. Station C must be in Quadrant II. As a result, at most two stations remain for Quadrant III. Therefore, answer (A) is incorrect. Answer (B) is incorrect because Station E must be in the same quadrant as Station F, so this answer would place Stations C, E, and F into Quadrant II, leaving no stations for Quadrant III. Answers (C) and (E) are incorrect for the same reason,

- since they would require three stations to be in Quadrant III. Answer (D) is possibly true.
17. The correct answer is (E). If every quadrant must have exactly two stations, then E and F must be in quadrant together. Therefore, answers (C) and (D) are incorrect for including Station E. All of the remaining stations could be in the same quadrant with Station D. Therefore, the correct answer is (E)
 18. The correct answer is (B). If Quadrant I and Quadrant II each have only station, then Station C is only station in Quadrant II. Also, because no quadrant may have more than three stations, Quadrant III and Quadrant IV will each have three stations. Because Station D may not be north of Station C, Station D will have to be in Quadrant III placed no farther north than Station C. Based on this analysis, answer (B) is the one statement that must be false. All the other statements either must be true or could be true.

Answers 19-22

DISCUSSION – This is a hybrid problem. You need to focus not only on the placement where each person will end up but also on the “category” that each person comes from. This adds an extra twist to the standard distribution problem type.

19. The correct answer is (B). Answer (A) is incorrect because Diane and Carl may not work for the same office. Answer (C) is incorrect because Heather and Florence must work for the same office. Answer (D) is incorrect because if Diane and Elvin work together, then that office must take four interns. Answer (E) is incorrect because The Senate Legal Office may not take four interns without taking Diane.
20. The correct answer is (C). If Diane works for The Senate Legal Office, then Carl and George must both work for The Supreme Court Library, since Carl and Diane may not work together and George must always work for The Supreme Court Library. Heather and Florence, who must work together, may not work for The Supreme Court Library, since that would give The Supreme Court Library four students without having Diane. As a result, The Senate Legal Office will have Diane, Heather, and Florence and The Supreme Court Library must have George and Carl. Elvin and Ivan will then be split, with either one working for The Senate Legal Office and the other one for The Supreme Court Library. This analysis requires that answer (C) is the only statement that must be true. The other statements either must be false or could be either true or false.

21. The correct answer is (E). If Heather works for The Supreme Court Library, then Florence must also work for The Supreme Court Library. George, as always, must also work for The Supreme Court Library. That leaves one more student to be hired by The Supreme Court Library, with the remaining three to work for The Senate Legal Office. Diane and Carl cannot both work for The Senate Legal Office because they are not allowed to work together. Diane and Elvin cannot both work for The Senate Legal Office because if they were put together, then The Senate Legal Office would have to have four students. The only way to separate Diane from both Carl and Elvin is to have Diane work for The Supreme Court Library, and Carl, Elvin, and Ivan work for The Senate Legal Office. This analysis shows that answer (E) is the only statement that could be true.
22. The correct answer is (A). The best way to approach a question like this one is to test each answer to see if it is possible to make each answer be true; if so, then it is not a statement that must be false and it is therefore an incorrect answer. Answer (A) is the correct answer because there is no way to arrange Heather and Elvin so that they work for the same office. It is important to notice, first, that Heather must work together with Florence. Therefore, Heather, Elvin, and Florence would have to be placed as a group. If these three people work for The Senate Legal Office and if The Senate Legal Office is only hiring three people, then the remaining four students would all have to work for The Supreme Court Library. This is impossible since Diane and Carl may not work together. The second check is to see if Heather, Elvin, and Florence could work for The Supreme Court Library. Since George also must work for The Supreme Court Library, then the remaining three students must work for The Senate Legal Office, and Carl and Diane are again thrown together. Therefore, answer (A) must be false. The other four statements could be either true or false.
23. The correct answer is (C). This is a “nonsense” conclusion problem, forcing added concentration on the logical relationship of the information provided while ignoring “common sense”, which is of no help. If there are any blue cars, as suggested by the first sentence, and no blue things have ever traveled to the bottom of the ocean, then it can be concluded that some cars- the blue ones-have never been to the bottom of the ocean. Therefore, (C) is the best answer. Answer (A) cannot be concluded because there is no information provided about what has traveled to the bottom of the ocean just about what has NOT. Answers (B), (D), and (E) all go beyond the information provided and so cannot be concluded, no matter how reasonable they may or may not seem.

24. The correct answer is (A). This argument assumes that David would be able to defeat all his opponents as easily as he defeat Goliath. Therefore, if answer (A) were true, this argument would be more likely to be true. Answer (B) is incorrect because it weakens the argument and suggests that David would be defeated before he could use all his ammunition. Answers (C) and (D) are incorrect because nothing in the problem suggests that the relative sizes of David and Goliath had anything to do with the outcome of the fight. Answer (E) would support the argument, the it does not strengthen it as directly as answer (A) does.
25. The correct answer is (B). This is a hidden assumption question, which requires you to first identify the conclusion and then determine what additional information, beyond the facts that are explicitly stated in the argument, is necessary to make that conclusion a necessary truth. Based on the first sentence in this argument, the dog will bark and assume an alert position when she “hears” footsteps. The conclusion of the argument therefore depends on the dog’s hearing, suggesting answer (B). Answer (A) is incorrect because the problem only focuses on the situation of intruders as they approach the house, not after they enter. Answers (C), (D), and (E) are all irrelevant because they introduce facts are not part of the problem.

PRACTICE TEST 5 ANSWERS

Answers 1-5

DISCUSSION – This is a scheduling problem. The clues to identifying this kind of problem are the references to days of the week and the fact that some items are placed “before” and “after” others. In this way, it is similar to a ranking problem, but you need to pay attention to the particular details about the timing.

1. The correct answer is (D). The key to this question is not only the list shows that are provided for the 8:00 slot but also the list of shows remaining for the 9:00 slot. Answer (A) is incorrect because Tuesday, which starts with a drama, must have a variety show at 9.00 because a comedy may not follow a drama. This is impermissible because two variety shows may not be scheduled on consecutive nights. Answer (B), (C), and (E) are all incorrect for the same reason. Answer (D) is the only permissible schedule.
2. The correct answer is (B). It should be clear that, since variety shows may not be scheduled on consecutive nights and no show may be scheduled twice on the

same night, the three variety shows must be scheduled on Monday, Wednesday, and Friday. Therefore, Tuesday and Thursday may only have comedies and dramas. Since a comedy may not follow a drama on any given night, then Tuesday and Thursday must both have a comedy at 8:00 and a drama at 9:00. Based on this analysis, answers (A), (C), (D), and (E) must all be false. Answer (B) is the only statement that could be true.

3. The correct answer is (A). Based on the analysis of the previous question. Tuesday and Thursday must both have a comedy at 8:00 and a drama at 9:00. (The additional information given for this question stem, that a drama is scheduled for 9:00 on Tuesday, is actually superfluous, because that must be the case.) Therefore, answer (A) must be true and is the correct answer. The other four statements either must be false or may be either true or false.
4. The correct answer is (D). Recall from previous questions that the variety shows must be on Monday, Wednesday, and Friday. Also recall that Tuesday and Thursday must both have the comedy-drama combination. Therefore, all three comedies are used up on Tuesday, Wednesday, and Thursday, so Monday and Friday must have dramas and varieties. Because a drama may not follow a variety then Monday and Friday must both start with a drama and end with a variety. Therefore, the entire week is scheduled, except that Wednesday could have either the comedy or the variety scheduled first. The 8:00 schedule, for the week must be D-C-(C or V)-C-D. The 9:00 schedule must be V-D-(V or C)-D-V. As a result, answer (A) could be true, answer (B) must be true, answer (C) must be true and answer (E) must be true. Only answer (D) must be false.
5. The correct answer is (C). The only type of show that could be scheduled at 8:00 on Wednesday and Thursday is a comedy. It could not be a variety because two variety shows may not be scheduled on consecutive nights. It could not be a drama because whenever a drama is scheduled for 8:00, the 9:00 show must be a variety. This would then require the three variety shows to be scheduled consecutively on Tuesday through Thursday at 9:00, which is also impermissible. Therefore, the comedies are all at 8:00 on Tuesday through Thursday. The 9:00 shows for Tuesday through Thursday must be drama, variety and drama in, in that order. That leaves two varieties and two dramas to fill the four slots on Monday and Friday. Since each night must have one of each type of show, then each night must have one drama and one variety. Finally, because a drama may not follow a variety on any one night, then both Monday and Friday must start with a drama and end with a variety. Therefore, Monday and Friday must have

- the same schedule, and answer (C) is the answer. All four remaining answers must be false.
6. The correct answer is (C). The question stem clearly tells you that your task is to identify the assumption in the argument, so you can identify this as a hidden assumption question. The assumption in this argument can be seen because the problem links the buried artifacts to a belief in religion. This “link,” or connection, is the assumption. Answer (C) states this “link,” or connection, is the assumption. Answer (C) states this link by suggesting that burying people with tools and utensils shows a belief in religion and therefore an advanced society. The other statements could all be true, but they do not make the required connection between the buried artifacts and the belief in religion.
 7. The correct answer is (D). If the PTA selects a senior as the Student Representative, then the second sentence of the argument says they will give more money to the high school. If they do not give more money to the high school (for whatever reasons), then it can be concluded that the PTA did not select a senior as the Student Representative, so answer (D) is the best answer. Answers (A) and (B) make “judgment” decisions about what the PTA should or should not do, which goes beyond the scope of the problem. Answer (C) is incorrect because nothing in the problem mentions anything about the current Student Representative. Answer (E) is close to the correct answer but is incorrect because the PTA could give more money to the school even if the Student Representative is a senior or a junior.
 8. The correct answer is (C). Based on the statements provided, one would expect the stock prices of Acme Company to rise after the announcement. If the price decreases, then something about this particular merger must be causing a change in the opinion of investors. Answer (C) is the selection that repeats this conclusion, which is what you look for when a hidden assumption question asks you to “strengthen the argument”. Answer (A) addresses only “average” investors, but nothing in the argument limits it to “average” investors, but nothing in the argument limits it to “average” investors. Answer (B) is irrelevant or at best would contradict the argument by suggesting that the price should increase because of lower supply. Answer (D) is incorrect because nothing in the argument suggests any reliance on the negotiations involved in creating the merger. Answer (E) is incorrect because there is nothing in the argument suggesting that prime lending rates have any effect on stock prices.

Answers 9-14

DISCUSSION – This is a ranking problem. You can identify this as a ranking problem because each travel package must include all eight cities. And your task is simply to rank or order the cities according to the rules.

9. The correct answer is (D). Answer (D) is the one that satisfies all of the rules. Answers (A) and (E) are incorrect because they do not have Quincy fourth. Answer (B) is incorrect because Montreal and New York are not visited together. Answer (C) is incorrect because Kingman is before Ottawa but no other city is visited between the two.
10. The correct answer is (C). If New York must be first, then Montreal must be second on the list. For that reason, every other city will be visited after New York and Montreal, so answer (C) is the correct answer. The other answers all COULD be true, but they are not necessarily true.
11. The correct answer is (E). If Kingman is second on the list and Quincy must always be fourth, then the only spaces in the tour for the combination of Montreal and New York to be visited together are fifth/sixth, sixth/seven, or seventh/eighth. In any of these possibilities, both Montreal and New York will be visited after Quincy. Therefore, answer (E) must be false and is the correct answer. All of the other answers could be true or could be false, but there is not sufficient information to prove any of them false.
12. The correct answer is (A). If Jacksonville is seventh, then it would prevent the combination of Montreal/New York from being at the end of the tour. Lexington cannot be last because the rules prevent it from being either first or last. Quincy cannot be last because it must always be fourth. Jacksonville may not be last because it is being placed seventh. As a result, the only remaining cities are Kingman, Ottawa, and Philadelphia. Therefore, the correct answer must be (A).
13. The correct answer is (A). If Kingman is seventh, then for the same reasons addressed above, neither Lexington, Montreal, New York, nor Quincy may be visited eight. Therefore, answers (B) (C), and (D) are all incorrect. Answer (E) is incorrect because Ottawa may not be visited immediately after Kingman. Therefore, Jacksonville is the only selection that may be visited last. (Note that Philadelphia could also be last, but it is not one of the answers.)
14. The correct answer is (C). If Quincy is immediately after Ottawa, then Ottawa would have to be third (because Quincy is always fourth). Considering the rules provided, it seems reasonable to expect that the correct answer will probably have something to do with two-space combination of Montreal and New York

and use the first two spaces on the tour. Answer (C) and (E) are the only answers that address the first two spaces on the tour. Answer (C) must be false because, if Montreal is one of the first two cities visited, then New York would have to be the other one. Answer (E) is incorrect because Philadelphia and Lexington could be the first two cities on the tour. The other answers, (A), (B), and (D), could all be true, with insufficient information to prove them false.

Answers 15 – 18

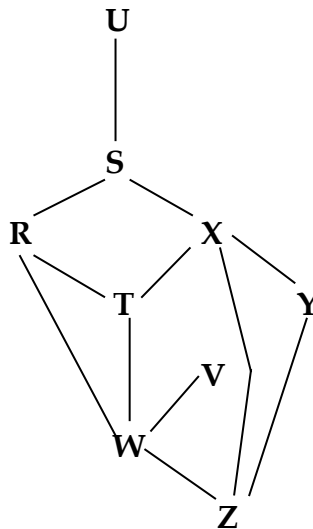
DISCUSSION – This is a mapping problem, easily identifiable by the central administrative office and the directional references for the outlet stores placed around it.

15. The correct answer is (C). Answer (A) is incorrect because the only limitation on OS 2 is that it must be due south of OS 1. It is possible for OS 1, which is only required to be somewhere north of the Administrative Office, to be far enough north and west of the Administrative Office so that OS 2 may be south of OS 1 and still be northwest of the Administrative Office. Answer (B) is incorrect because there are no limitations at all on the placement of OS 3, so it may be northwest of the Administrative Office. Answer (C) is the correct answer. Because OS 4 must be southeast of the Administrative Office and OS 5 must be due east of OS 4, then OS 5 must also be southeast of the Administrative Office. Answers (D) and (E) are incorrect because the only limitation on OS 6 and OS 7 is that they must be somewhere west of the Administrative Office; they may, of course, be northwest.
16. The correct answer is (E). Answer (E) is correct because OS 1 must be somewhere north of the Administrative Office, and this question requires OS 6 to be southwest of the Administrative Office. Therefore, OS 1 will be somewhere north of OS 6. The other answers could all be true but could also be false and are therefore incorrect. Answers (A) and (D) are incorrect because there is no connection between OS 6 and OS 7, so OS 7 must only be somewhere west of the Administrative Office. Answer (B) is incorrect because OS 2, which must be due south of OS 1, could be so far south of OS 1 that it is also south of OS 6. Answer (C) is incorrect because OS 4, which must be southeast of the Administrative Office, could be less south than OS 6.
17. The correct answer is (B). If OS 4 is due east of OS 2 and OS 5 is already due east of OS 4, then OS 5 must also be due east of OS 2. Because OS 2 is due south of

- OS 1, then both OS 5 and somewhere southeast of OS 1. Therefore, answer (B) must be false. The other selections are all possibly true.
18. The correct answer is (D). OS 4 and OS 5 must be east of the Administrative Office because OS 4 is southeast of the Administrative Office and OS 5 is due east of OS 4. Therefore, only one other store may be built east of the Administrative Office. Because OS 1 and OS 2 must be directly in a north-south line with each other but may be in any position east or west of the Administrative Office, then if one of them is east of the Administrative Office, they both would have to be east of the Administrative Office, then neither OS 1 nor OS 2 may be east of the Administrative Office. OS 6 nor OS 7 are both required to be west of the Administrative Office. Therefore, OS 3, the only remaining store, must be east of the Administrative Office. Considering this analysis, answer (D) is the only statement that may be false, since there is no limitation on the relative placement of OS and OS 7.

Answers 19-22

DISCUSSION – This is a connection problem, which can be identified by the initial rules with the several buildings and the walking ways connecting them. The best method for solving a connection problem, once it is identified as such, is to read through the rules individual, creating a “map” of the connections.



19. The correct answer is (C). Because of the arrangement of the walkways, the only way to or from Building U is the walkway of Building S, and the only way to or from Building V is the walkway to Building W. As a result, visiting either

- Building U or Building V will end the travels. With this in mind, the maximum number of buildings is 7 (example: RSXYZWV, RTXYZWV or, RWZYXSU)
20. The correct answer is (E). There are three possible paths that provide the shortest route from Building R to Building Y: RSXY, RTXY, and RWZY. Recognizing these three possibilities shows that answer (E) is the only statement that must be true. Answer (A) could be true and could also be false. The other three answer must all be false.
 21. The correct answer is (C). In order to visit both Buildings U and V, a visitor will have to visit either Building S or Building W more than must be once. Therefore, answer (C) is the one statement that must be false. The other statements could all be true. Answer (A) could be true with the pathway RSUSXYZWV. Answers (B) and (D) could both be true with the pathway RWVWZXSU. Answer (E) could be true since this question allows the visitor to visit any building as often as necessary; therefore, it is possible to visit all nine buildings.
 22. The correct answer is (A). With a new walkway connecting Buildings V and Z, a visitor may now visit all nine buildings without going to any building twice: RTWVZYXSU. The other statements must all be false.
 23. The correct answer is (C). This is a conclusion argument which can be seen from the direct wording of the question stem, asking you to identify what other conclusion the philosopher can make. For a conclusion question like this one, you must read the specific facts contained in the initial argument very closely before testing the answers. In selecting an answer, be sure to choose the answer that is based only on explicit statements in the argument and not based only on explicit statements in the argument and not on any other inferences you might make. The conclusion of this argument can be reached by considering only the last sentence. The added information says that life does NOT mean nothing, thereby contradicting the conclusion of the last sentence of the argument. By contradicting the conclusion of an if-then argument, one can conclude the opposite of the premise of the sentence, i.e., that "I do not think." Recognizing this, the only correct answers could be (C) or (E). (E) is incorrect because the argument states that if the speaker does not think, then "...I am not". Therefore, the only correct answer is (C).
 24. The correct answer is (D). This is a hidden assumption question, which is evident in the question stem that asks you to find the "necessary assumption" in the argument. This argument assumes that homeowners can receive as much effective heat by using the same amount of "coiled element system" heaters as they can with standard heating element system" heaters as they can with

standard heating units. If, on the other hand, the heating units were half as unit. If, on the other hand, the heating units were half as effective and required homeowners to use twice as many heating units, then electric costs may not actually decrease. Answer (D) repeats this necessary assumption. Answer (A) seems to be an obvious truth, but it addresses a homeowner's motivation rather than the actual effect of using the new heating units. Answers (B) and (E) address other effects of using the special heating units but say nothing about electric bills. Answer (C) addresses lowering cost of purchasing the heating units but not of using them.

25. The correct answer is (E). This argument depends on the hidden assumption that the quality of a filmmaker's material and equipment leads directly to the quality of the finished product and that no other factors are involved. Answer (E) shows that even with the best materials, some filmmakers do not create excellent movies. Answer (A) is incorrect in that it does not recognize the individual quality of the filmmaker. Answer (B) does not address the quality of the finished product and so is insufficient. Answer (C) is irrelevant because nothing in the argument suggests that the cost of the materials is factor. Answer (D) is insufficient without the additional information about the finished films produced by the students involved.