Sample Test

HOW TO TAKE THIS SAMPLE TEST

Before taking this Sample Test find a quiet place where you can work uninterrupted for two hours. Make sure you have a comfortable desk and several ballpoints. Time yourself according to the time limit of the test. For the most accurate results, you should go through all three sections in one sitting. Use the answer grid on the following pages to record your answers to the multiple-choice question. You'll find the answer key, explanation of the answers to the questions, and performance evaluation following the test.

Good Luck.

VERBAL ABILITY

Direction: Each sentence below has one or more blanks, each blank is indicating that something has been omitted. Beneath the sentence are five lettered words or sets of words. Choose a set of words for each pair of blanks that best fits the meaning of the sentence as whole.

1. Full of emotional expressions, the film Muthi Bhar Chawal also boasts __of style; it knows how much can be shown in a shot, how much can be in a few words.
    - A. Extravagance
    - B. Autonomy
    - C. Arrogance
    - D. Economy

2. We had not realized how much people _____ the company's old recovering policy until we received complaints once it had been ___.
    - A. Enjoyed .....continued
    - B. Respected ..... imitated
    - C. Appreciated ....superseded
    - D. Disliked...... administered

3. The testimony of eyewitnesses is notoriously ___ emotion and excitement all too often causes our minds to distort what we see.
    - A. Judicious
    - B. Credible
    - C. Gratifying
    - D. Unreliable

4. Although in his seventies at the time of the interview, Gul Jee provided alert and insightful. his faculties _despite the inevitable toll of the years.
    - A. Atrophied
    - B. Intact
    - C. Impaired
    - D. Diminished

5. His critical reviews were enjoyed by many of his audience, but the subjects of his analysis dreaded his comments; he was vitriolic, devastation, irritating and never
    _____.
    - A. Analytic
    - B. Constructive
    - C. Controversial
    - D. Personal

6. Given the _____ state of the published evidence, we do not argue here that exposure to low level microwave energy is either hazardous or safe.
    - A. Inconclusive
    - B. Definitive

C.   Exemplary
D.   Satisfactory

7.   Irony can, after a fashion, become a mode of escape; to laugh at the terrors of life is in some sense to _____ them.
      A.   Overstate
      B.   Corroborate
      C.   License
      D.   Evade

ANTONYMS

Directions: Each item below consists of a word printed in capital letters, followed by five lettered words or phrases. Choose the lettered word or phrase that is more nearly opposite in meaning from the word in capital letters. Since some of the questions require you to distinguish fine shades of meaning, be sure to consider all the choices before deciding which one is the best.

8.   ADULATION:
      A.   Criticism
      B.   Defense
      C.   Purity
      D.   Brightness

9.   ADVOCATE
      A.   Oppose
      B.   Remove
      C.   Discern
      D.   Inspect

10.   AMALGAMATE
      A.   Repress
      B.   Equip
      C.   Separate
      D.   Generate

11.   AMBIGUOUS
      A.   Clear
      B.   Responsible
      C.   Auxiliary
      D.   Corresponding

12.   ANALOGOUS
      A.   Not
      B.   Not corporeal
      C.   Not capable
      D.   Not comparable

13.   AUTONOMOUS
    A.   Operational
    B.   Dependent
    C.   Magnanimous
    D.   Ambiguous

14.   BARREN
    A.   Greenery
    B.   Glorious
    C.   Theatrical
    D.   Handsome

Reading Comprehension

Passage: 1

In 1950 Salman Baig began his greatest work, A Pakistani Dictionary of the Urdu Language. In preparing the manuscript, he devoted ten years to the study of Urdu and its relationship to other languages, and seven more years to the writing itself. Published in two volumes in 1970. A Pakistani Dictionary of the Urdu Language has become the recognized authority for usage in the Subcontinent. Baig's purpose in writing it was to demonstrate that the Urdu language was developing distinct meanings, and pronunciations from those of Indian Urdu. He is responsible for advancing simplified hijae.

QUESTIONS

15.   When a Pakistani Dictionary of the Urdu Language published?
    A.   1950
    B.   1970
    C.   1960
    D.   1980

16.   According to this passage, which one of the following could be the objective of Baig's work?
    A.   To condemn Indian Urdu
    B.   To make Urdu differentiated.in Pakistan
    C.   To make Urdu the language of the subcontinent
    D.   To earn money

17.   According to the author, Baig's work on Urdu makes it
    A.   Respond to the need for new magzines
    B.   Distinct language in the subcontinent
    C.   Correct the hijae
    D.   Influencial for the cultural promotion

18.   In how many volumes was A Pakistani Dictionary of the Urdu Language
       published?
       A.   One volume
       B.   Two volumes
       C.   Three volume
       D.   Four volume

Passage: 1

But I did not want to shoot the elephant. I watched him beating his bunch of grass against
his knees, with that preoccupied grandmotherly air that elephants have. It seemed to me
that it would be murder to shoot him. I had never shot an elephant and never wanted to.
(Somehow it always seems worse to kill a large animal). Besides, there was the beast's
owner to be considered. But I had got to act quickly. I turned to some experienced looking
Barman's who had been there when I arrived, and asked them how the elephant had been
behaving. They all said the same thing: he took no notice of you if you left him alone, but
he might change if you went too close to him.

19.   The author did not want to shoot the elephant because he
       A.   Was afraid of it
       B.   Did not wish to kill an animal which was not doing anybody any harm
       C.   Did not have the experience of shooting big animals
       D.   Did not find the elephant to be ferocious

20.   According to the passage at what time the elephant notices someone?
       A.   Being totally unconcerned
       B.   A very superior attitude
       C.   Pretending to be very busy
       D.   When someone goes very close to it.

QUANTITATIVE ABILITY

Directions: The following problems are to be solved using any available space on the
page for scratch work. When the problem has been worked out, mark your answer on the
answer sheet by filling the corresponding circle.

Not:
The figures accompanying the problem are not drawn according to scale and lie in the
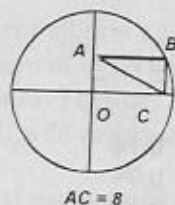plane unless otherwise stated in the specific problem. All numbers used are real numbers.

21.   What is the number of 5% of which is 10?
       A.   100
       B.   150
       C.   200
       D.   250

22.   What is the sum of money, of which 6 % is 18 dollars?
        A.   100
        B.   200
        C.   300
        D.   400

23.   Corola comes in 5 models, 8 colors, and 3 sizes. How many Corolas must the
        local dealer have on hand in order to have one of each kind available?
        A.   140
        B.   120
        C.   160
        D.   39

24.   A chewing gum vending machine contains red, yellow, and green gum-balls. The
        number of red is the same as the number of green but is half the number of yellow.
        If the balls were placed in the machine at random when it was loaded, what is the
        probability that a customer will get a red one on a given chase?
        A.   0.5
        B.   0.2
        C.   0.25
        D.   1

25.   Average of three numbers is 8, that of the first two is 11. Find the third number.
        A.   1
        B.   2
        C.   3
        D.   4

26.   A clerk filed 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92
        on Thursday and 66 on Friday. What was the average number of forms filed per
        day?
        A.   64
        B.   74
        C.   76
        D.   84

27.   What is the net effect on a fraction if the numerator is decreased by 10% and the
        denominator is increased by 20%?
        A.   20%Increase
        B.   20% decrease
        C.   25%Increase
        D.   25% decrease

28.   A police car is ordered to report to the scene of a crime 5 miles away. If the
        car travels at an average rate of 40 miles per hour, the time it will take to reach its
        destination is?
        A.   7 min

B.   7.5 min
C.   8 min
D.   8.5 min

29.   A train of length 100 meters is crossing a plate form with the speed of 20 meter per minute. If the train crosses the plate form in 8 minutes, find the length of the plate form.
A.   60
B.   120
C.   180
D.   240

30.   The population of a city increased in two years from 25,000 to 30,000. Find the increased percent during the time.
A.   10%
B.   15%
C.   20%
D.   25%

31.   If $y = \frac{3}{x^2} + x$ and $x = 3$, then y is
A.   11/9
B.   3/5
C.   10/3
D.   None of above

32.   A shipping firm charge 2 cents a pound for the first 20 pounds of package weight and 1.5 cents for each pound or fraction of a pound over 20 pound of package weight. How much will it charge to ship a package which weigh $23\frac{1}{2}$ pounds?
A.   40¢
B.   35.25¢
C.   44.5¢
D.   46¢

33.   If it takes 50 workers 3 hours to dig sewer, how long should it take 30 workers to dig the same sewer?
A.   8
B.   6
C.   5
D.   2

34.   If $k(X + Y + Z + W) = 15$, X, Y, Z, W and K are integers greater than 0, where K may be = ?
A.   1
B.   8
C.   7

D.   9

35.   What is the area of circle O in the figure?

AC = 8

A. 24π

B. 36π

C. 48π

D. 64π

36.   A magician wants to ship a magic wand to the location of his next show. The rectangular box has available for this purpose measures 6 inches wide, 8 inches long and 10 inches high. What is the longest cylindrical wand of negligible diameter that can be shipped in this box?

A.   10 in.

B. $8\sqrt{2}$ in

C. $8\sqrt{3}$ in

D. $10\sqrt{2}$ in

37.   If a taxicab charges x cents for the first $\frac{1}{9}$ mile and $\frac{x}{5}$ cents for each additional $\frac{1}{9}$ mile or fraction thereof, what is the charge, in cents, for a ride of y miles, where y is a whole number?

A. $x + \frac{xy-x}{45}$

B. $x + \frac{9xy-x}{5}$

C. $\frac{2x+9y}{5}$

D. $x + \frac{9x-y}{5}$

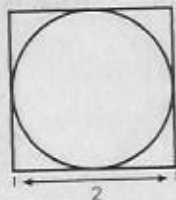38. $0.2 \times 0.02 \times 0.0021 =$

A.   0.08

B.   0.008

C.   0.00008

D.   0.000008

39. In the figure below, the largest possible circle is cut out of a square piece of tin. The area, in square inches, of the remaining piece of tin is approximately

    A. 0.14
    B. 0.75
    C. 0.86
    D. 1.0

40. $1\frac{1}{4}$ subtracted from its reciprocal is

    A. $-\frac{9}{20}$

    B. $-\frac{1}{5}$

    C. $\frac{1}{20}$

    D. $-\frac{1}{5}$

ANALYTICAL ABILITY

LOGICAL REASONING

Directions: Each question or group of question is based on a passage, graph, table, or set of conditions. In answering some of the questions, it may be useful to draw a rough diagram. For each question, select the best answer choice given.

Question 41- 42

The microwave oven has become a standard appliance in many kitchens, mainly because it offers a fast way of cooking food. Yet, some homeowners believe that the ovens are still not completely safe. Microwaves, therefore, should not be standard appliance until they are more carefully researched and tested.

40. Which of the following, if true would most weaken the conclusion of the passage above?
    A. Homeowners often purchase items despite knowing they may be unsafe.
    B. Those homeowners in doubt about microwave safety ought not to purchase microwaves.
    C. Research and testing of home appliances seldomly reveal safety hazards.
    D. Microwaves are not as dangerous as steam irons, which are used in almost every home.
    E. Homeowners often purchase items that they do not need.

42. Which one of the following, if true, would most strengthen the conclusion of the passage above?

A. Homeowners often doubt the advertised safety of all new appliances.
B. Speed of food preparation is not the only concern of today's homeowner.
C. Modern homeowners have more free time than ever before.
D. Food preparation has become almost a science, with more complicated and involved recipes.
E. Many microwave ovens have been found to leak radioactive elements.

43. Years ago, a poll concluded that there are more televisions than there are bathtubs in American homes. No doubt the fact remains today, especially in light of the growing popularity of home computers. Now: in addition to owning televisions for entertainment, more and more families are purchasing TV monitors for use with a personal computer. We can safely guess that there are still many more people staring at a picture tube than singing in the shower.
Which of the following statements can be inferred from this passage?

A. Personal computers probably cost less than installing a shower or bathtub.
B. People can wash themselves without a tub or shower but they cannot watch television unless they own television set.
C. TV monitors will, work with personal computers in place of regular computer monitors.
D. As many computers are sold today as television sets a few years ago.
E. More television monitors are now used with personal computers than are used to watch commercial television broadcasts.

44. Some scientists have proposed that, over two hundred million years ago, one giant land mass, rather than various continents and islands, covers one third of the earth. Long before there was any human life, over vast periods of time, islands and continents drifted apart. Australia was the first to separate, while South America and Africa were late in splitting apart. Some islands, of course, were formed by volcanoes and were never part of the great land mass.
All the following would support the author's claim EXCEPT

A. Many of the plants of the South American rain forests are markedly similar to those of African rain forest.
B. Australia has more animals that are not found in any other continent than have several of the much larger continents.
C. Volcanic islands like Hawaii have ecosystems very different from those of continental lands with the same average temperature.
D. The plants of similar conditions in South America have less in common with those of Australia than with those of Asia, Africa or Europe.
E. The primitive languages of Australia are unlike those of Africa which resembles those of South America.

45. Every Saturday, Amir has pizza for lunch and then goes to the movies. If the statement above is true, which of the following statements must also be true?

    1)   If it is not Saturday, than Amir is not having pizza for lunch and is not going to movies.

    2)   If Amir has pizza for lunch and then goes to the movies it is Saturday.

    3)   If Amir has pizza for lunch, but does not go to the movies, it is not the Saturday.

  A. 1 only
  B. 2 only
  C. 3 only
  D. 1 and 2 only
  E. 2 and 3 only

46. Antifreeze lowers the melting point of any liquid to which it is added so that the liquid will not freeze in cold weather. It is commonly used to maintain the cooling system in automobile radiators. Of course, the weather may become so cold that even antifreeze is not effective, but such a severe climatic condition rarely occurs in well-travelled places.

Which of the following can be deduced from the passage?

  A. Well-travelled places have means of transportation other than automobiles.
  B. Antifreeze does not lower the melting point of certain liquids in extreme conditions.
  C. Severe climatic conditions rarely occur.
  D. It is not often that many travellers who use antifreeze have their cooling system freeze.
  E. Antifreeze raises the melting point of some liquids.

47. Infection is the biggest threat to the life of a burn patient. The skin, the body's natural barrier against bacteria, is damaged or gone in the burned areas. The bacteria that are a threat are unpredictable in both variety and number. Moreover, those found affecting any one patient may change completely from one day to the next. The standard treatment, there;ore, is the administration of broad spectrum antibiotics.

Considering only the information given about burn patients in the passage above, which of the following is most likely to enhance the effectiveness of the standard treatment of a burn patient?

  A. Keeping the patient in an air-conditioned room until recovery is assured.
  B. Keeping the areas affected by burns as dry as possible.
  C. Continuously monitoring the patient's vital signs with electronic equipment.
  D. Feeding the patient a diet extra rich in calories.
  E. Keeping the patient in a maximally sterile environment.

48. Dormitories range from two to six stories in height. If a dormitory room is above the second floor, it has a fire escape.
     If the statements above are true, which of the following must also be true?
     A.   Second-floor dormitory rooms do not have fire escapes.
     B.   Third-floor dormitory rooms do not have fire escapes.
     C.   Only dormitory rooms above the second floor have fire escapes.
     D.   Fourth-floor dormitory rooms have fire escapes.
     E.   Some two-story dormitories do not have fire escapes.

49. The garment industry is labor-intensive; the production of garments requires the employment of a relatively large number of people. The auto industry is capital-intensive; a large amount of money is invested in elaborate equipment run by a relatively small number of people. If fringe benefits are not considered, a typical United States garment worker in 1979 earned 46 percent of a typical auto worker's wages.
     Which of the following, if true, is likely to be among the factors that account for the disparity between auto workers' and garment workers' wages?
     A.   There is generally less variation among the wages of garment industry workers than among those of auto industry workers.
     B.   Wage increases in the auto industry have a smaller effect on manufacturers' total costs than do wage increases in the garment industry.
     C.   The fringe benefits that auto makers provide for their employees are more comprehensive than are those provided for garment workers.
     D.   The auto industry faces more competition from companies outside the United States paying low wages than does the garment industry.
     E.   The auto industry employs a larger total number of workers than does the garment industry.

50. It was long thought that a now-rare disease of the joints, alkaptonuria, was epidemic in Egypt 2.500 years ago. Evidence came from the high proportion of mummies from that period showing symptoms of the disease. Recently, however, chemical analyses of skeletons have led scientists to propose that the joint damage was actually caused by chemicals used by Egyptian embalmers. Which of the following, if true, would additionally weaken the traditional view that alkaptonuria afflicted many Egyptians 2,500 years ago?
     A.   X-ray of the mummies showed shadows that clearly suggested joint damage, and recent inspection of the skeletons has confirmed that hypothesis.
     B.   Although alkaptonuria is a disease that can be inherited, it did not appear in the descendants of the Egyptian population in which the symptoms were found.
     C.   Egyptian embalming methods were highly secret, and scientists are still not certain of the nature of some of the chemicals that were used.
     D.   Possible evidence of alkaptonuria has been pointed out in pictures representing the human figure found on artifacts left by other Middle Eastern cultures of that period.
     E.   Some mummies of that period show no evidence of joint damage at all.

ANALYTICAL ABILITY

ANALYTICAL REASONING

Direction: The following questions or groups of questions are based on a passage or set of statements. Choose the best answer for each question and blacken the corresponding space on your answer sheet. It may be helpful to draw round diagrams or simple charts when you attempt to answer these types of questions.

Question 51 –55

Six actors — Bob, Carol, Dave, Ed, Frank; and Grace will take auditions for a part in an off- Broadway play. The auditions will take place over four consecutive days, starting on a Thursday. Each actor will have one audition. The days on which the different actors will audition must conform to the following conditions.

i.   At least one audition will take place each day.
ii.   No more than two auditions will take place on any day.
iii.   No more .than three auditions will take place on any two consecutive days.
iv.   Bob's audition must take place on Saturday.
v.   Carol's audition must take place on the same day as another audition.
vi.   Frank's auditions must take place on the same day before Grace's audition.
vii.   Dave's audition must take place on a day after Ed's audition.

51.   If only one audition taken place on Thursday which actor could have that audition?

    A.   Bob
    B.   Carol
    C.   Dave
    D.   Frank
    E.   Grace

52.   If Bob's and Frank's auditions are on the same day, which of the following must be true:

    A.   Dave's audition will take place on Thursday.
    B.   Dave's audition will take place on Friday.
    C.   Grace's audition will take place on Thursday.
    D.   Carol's audition will take place on Sunday.
    E.   Ed's audition will take place on Sunday.

53.   If the director decides to hold two auditions on Thursday and two on Sunday, how many actors would be eligible to audition on Friday?

    A.   1
    B.   2
    C.   3
    D.   4
    E.   5

54. If Ed and Grace have their auditions on the same day which of the following must
     be true?
     A.   Ed's audition will take place on Thursday.
     B.   Frank's audition will take place on Friday.
     C.   Carol's audition will take place on Saturday.
     D.   Grace's audition will take place on Saturday.
     E.   Carol's

55. If Ed's audition is on Saturday, which of the following actors cannot audition on
     the same day as any other actor?
     A.   Bob
     B.   Carol
     C.   Ed
     D.   Frank
     E.   Grace

Questions 56 - 60

During the first half of the year, from January through June, the chairperson
of the mathematics department will be on sabbatical. The dean of the college has
asked each of six professors in the department – Arkes, Borofsky, Chang, Denture,
Hobbes, and Lee – to serve as acting chairperson during one of those months. The
mathematicians can decide the order themselves subject only to the following criteria
established by the dean.
     i.   Change will serve as chairpersons in February.
     ii.   Arkes will srve as chairperson before Hobbes does.
     iii. Borofsky and Dexter will serve as chairpersons in consecutive months.

56. Which of the following professors could serve as Chairperson in January?
     A.   Borofsky
     B.   Chang
     C.   Dexter
     D.   Hobbes
     E.   Lee

57. In how many ways can the schedule be made up if Lee has to serve as chairperson
     in May?
     A.   1
     B.   2
     C.   3
     D.   4
     E.   6

58.   If Lee serves in April, all of the following could be true
          EXCEPT
          A.   Arkes serves in January
          B.   Hobbes serves in March
          C.   Borofsky serves in May
          D.   Borofsky serves in June
          E.   Hobbes serves in June

59.   If Borofsky serves in May, what is the latest month in which Arkes could serve?
          A.   January
          B.   February
          C.   March
          D.   April
          E.   June

60.   Which of the following CANNOT be true?
          A.   Arkes and Lee serve in consecutive months.
          B.   Lee and Hobbes serve in consecutive months.
          C.   Hobbes and Dexter serve in consecutive months.
          D.   Arkes and Chang serve in consecutive months.
          E.   Borofsky and Chang serve in consecutive months.

Physics

61.   The combined effect of resistance and reactance in an A.C. circuit is called

          A.   conductance
          B.   resistance
          C.   impedance
          D.   choke

62.   Two photons are moving in opposite direction then their relative velocity is
          A.   C
          B. $\sqrt{2}\,c$
          C.   2c
          D.   None of these

63.   Select the quantity which cannot be expressed in three base units
          A.   Force
          B.   Work
          C.   Electric charge
          D.   Power

64. In a photocell, the lights of different colours fall on the metal. Which of the following colour has maximum possibility that the emission of electron will occur?
 A. Red
 B. Infrared
 C. Orange
 D. Violet

65. A capacitor has a capacity of 0.000,000,000,005 F , it can be written as
 A. 5 μμ F
 B. 5000 nF
 C. 5 pF
 D. None

66. X-rays cannot produce
 A. Photoelectrons
 B. Compton electron
 C. Electron-positron pair
 D. None of these

67. The electron is present in the 4th excited state. The maximum number of spectral lines emitted is
 A. 12
 B. 10
 C. 8
 D. 6

68. Progressive waves of frequency 300 Hz are superimposed to produce a system of stationary waves in which adjacent nodes are 1.5 m apart. What is the speed of the progressive waves?
 A. 100 ms^{-1}
 B. 200 ms^{-1}
 C. 450 ms^{-1}
 D. 900 ms^{-1}

69. The electron in He$^+$ is in 2nd excited state then the KE is
 A. 13.6 Ev
 B. -13.6 eV
 C. 06.04 eV
 D. 6.04 eV

70. The half-life of a radioactive substance is 2.5h. The mean-life of the substance is
 A. 3.55h
 B. 3.95h
 C. 4.55h
 D. 5.55h

Mathematics

71. 120^0 degrees are equal to how many radians?

A. $\dfrac{\pi}{3}$ radians

B. $\dfrac{2\pi}{3}$ radians

C. $\dfrac{\pi}{4}$ radians

D. $\dfrac{\pi}{2}$ radians

72. $\text{Sin}^{-1}\left[-\dfrac{1}{2}\right]=$ ——

A. $\dfrac{\Pi}{3}$

B. $-\dfrac{\Pi}{6}$

C. $-\dfrac{\Pi}{3}$

D. $\dfrac{\Pi}{6}$

73.   If $1 + \text{Cos } x = 0$, then $x =$
A. $\pi + 2n\pi$
B. $\pi + n\pi$
C. $\pi - n\pi$
D. $\dfrac{\pi}{2}$

74.   If $f(x) = x^3 - 2x^2 + 4x - 1$, then $f(-2) =$?
A.   0
B.   -25
C.   5
D.   45

75. $F(x) = x^x$ decreases in the interval
A. $(0, e)$
B. $(0, 1)$
C. $(-\infty, 0)$
D.   None

76. The value of $\int_0^{\frac{1}{2}} \frac{dx}{\sqrt{1-x^2}}$ is

    A. π

    B. $\frac{\pi}{6}$

    C. $\frac{-\pi}{2}$

    D. 2π

77. The point (-5 ,3) is the center of a circle and P(7, -2) lies on the circle. The radius of the circle is
    A. 2
    B. 13
    C. 7
    D. 8

78. If $x < y$, $2x = A$, and $2y = B$, then
    A. $A = B$
    B. $A < B$
    C. $A < x$
    D. $B < y$

79. If a cone is cut by a plane perpendicular to the axis of the cone, then the section is a
    A. Parabola
    B. Circle
    C. Hyperbola
    D. Ellipse

80. If $|a| = 1$, then a is a
    A. Free vector
    B. Null vector
    C. Unit vector
    D. None of these

Computer Science

81. Which of the following shortcut key is used to close the program
    A. Ctrl+F4
    B. Alt+F4
    C. F4
    D. Shift+F4

82. In Microsoft Word, Ctrl+1 is used for which of the following
    A. Single line spacing

    B.   Double line spacing
    C.   To set 1.5 line spacing
    D.   To set .5 line spacing

83.   The most widely used word processing software in the PC is called
    A.   Sun word
    B.   Microsoft word
    C.   Oracle word
    D.   AT & T word

84.   In order to open the edit menu in the excel menu bar, which of the following shortcut key is used
    A.   Alt+E
    B.   Alt+D
    C.   Alt+I
    D.   Alt+T

85.   In Excel, when you right click on the chart area, which of the following option is not available on the pop-up menu
    A.   Chart type
    B.   Refresh
    C.   Source data
    D.   Location

86.   The most realistic settings of the disk space reserved for the recycle bin is
    A.   0% and 3%
    B.   3% and 10%
    C.   3% and 20%
    D.   10% and 20%

87.   Spreadsheet provides a convenient method for analyzing which of the following types of data
    A.   Financial
    B.   Inventory
    C.   Laboratory
    D.   All of these

88.   Each individual member of a column is called
    A.   Information
    B.   Record
    C.   Field
    D.   Data file

89.   In database, data exists only in the form of
    A.   Files
    B.   Records
    C.   Data items
    D.   Tables

90. FIFO stands for
A. Final in final out
B. First in final out
C. Final in first out
D. First in first out

ANSWERS

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1.	D	2.	C	3.	D	4.	B	5.	B
6.	A	7.	D	8.	C	9.	A	10.	C
11.	A	12.	D	13.	D	14.	A	15.	B
16.	C	17.	B	18.	B	19.	C	20.	D
21.	C	22.	C	23.	B	24.	C	25.	B
26.	B	27.	D	28.	B	29.	A	30.	C
31.	C	32.	D	33.	C	34.	A	35.	B
36.	D	37.	B	38.	D	39.	C	40.	A
41.	C	42.	E	43.	C	44.	E	45.	C
46.	D	47.	E	48.	D	49.	B	50.	C
51.	D	52.	B	53.	D	54.	E	55.	E
56.	E	57.	B	58.	E	59.	C	60.	A
61.	C	62.	A	63.	C	64.	D	65.	C
66.	C	67.	B	68.	D	69.	D	70.	A
71.	B	72.	B	73.	A	74.	B	75.	D
76.	B	77.	B	78.	B	79.	B	80.	C
81.	B	82.	A	83.	B	84.	A	85.	B
86.	C	87.	D	88.	C	89.	D	90.	D

EXPLANATIONS

1.	D	The last part of the sentence indicates the word economy is right choice for the first part.
2.	C	A cannot be the right choice because complaints should not be made if it is continued. Only the choice C is possible as people appreciated and complainted on its suppression.
3.	D	The emotions and other biases distort the eyewitnesses so it must be unreliable.
4.	B	A couple of years cannot change the effectiveness, so it must be intact.
5.	B	The other factors are negative so it cannot be constructive.
6.	A	If some published item casts doubts so it must inconclusive.
7.	E	Irony hides something so the most suitable word is to evade.
8.	C	Adulation means to make impure.
9.	A	Advocate means to support.
10.	C	Amalgamate means to mix.
11.	A	Ambigous means doubtfull.
12.	A	Analogous means similar
13.	B	Aotnomous means independent.
14.	A	Barren means without greenery.
15.	B	The passage clearly indicates that Mr. baig took more than 17 years to complete his work. The possible choice is 1970.
16.	C	Baig's work relates Pakistani and Indian Urdu language so his work is related to subcontinent.
17.	B	Baig's work created differentiation and distinctness in Urdu language.
18.	B	It is detailed question type so the answer is clear from the text that he pulished his work in two volumes.
19.	C	The second and third line of the passage shows that he has no experience of shooting big animals.
20.	D	The last line of the passage shows that the elephant changes his style when someone go very close to it.
21.	C	Solve 5% of x = 10. X = 10/ (5/100) = 200

22.	C	Solve 6% of x = 18. X = 18/ (6/100) = 300
23.	B	5 . 8 . 3 = 120
24.	C	2/5 = 0.25
25.	B	8 * 3 − 11 * 2 = 24 − 22 = 2
26.	B	(73+84+54+92+66)/5 = 74
27.	D	If numerator is decreased by 10%, it becomes 90% and if denominator increases by 20%, it becomes 120%. The new fraction is 90/120 = ¾ which represents 75%. Hence the original fraction is decreased by 25%.
28.	B	(5/40) * 60 = 7.5
29.	A	(100 + x)/8 = 20, x = 60
30.	C	(5000/25000) * 100 = 20%
31.	C	Y = (3/9) + 3 = 10/3
32.	D	According to given condition the total weight of the package is 24 pounds. The charges for first 20 pounds at the rate of 2 cents per pound are 40 and for the rest of 4 pounds the charges at the rate of 1.5 cents per pound are 6. The total charges = 46 cents.
33.	C	The relation between workers and time is inverse, so we have (50/30) = (x/3). X = 5
34.	A	The only value of k = 1 satisfy the condition that the product is equal to 15 because x, y, z, and w are greater than 0.
35.	B	OB = AC = 6. The radius of the circle is 6. Area of the circle is π * r2. = 36 π.
36.	D	The diagonal of the cubical box = square of 2 * longest side.
37.	B	X + (9y-1)/9 * x/5
38.	D	2/10 * 2/100 * 2/10000 = 8/10000000
39.	C	4 − Area of the circle of radius 1 = 4 − π
40.	A	4/5 − 5/4
41.	C	The conclusion of the passage is that because of safety concerns, more research and testing ought to be done before microwaves become standard household appliances. If. however, research and testing are ineffective means of discerning safety problems (as choice C says), then research and testing would be irrelevant. This criticism seriously weakens the conclusion. So choice C is the correct answer.

42.	E	If many microwaves ovens have been found to leak radioactive elements (as choice E says), then the conclusion - that microwaves should not be standard appliances until they are more carefully researched and tested - is further strengthened because more safety concerns needed to be addressed. So, the choice E is the correct answer.
43.	C	Though Choices A and B may well be true, they cannot be inferred from the information in the passage. But Choice C can be inferred since, more and more families are purchasing TN monitors for use with a personal computer. TV monitors must work with theses monitors. Otherwise, people would not buy them for that purpose. Choices D and E may or may not be true, but they are not inferences from the passage, simply additional information, so, the correct choice is C.
44.	E	If Australia was the first continent to separate, it would follow that if flora and fauna would develop in isolation over a longer period of time. Similarly, we may expect the plants and animal of South America and Africa that separated later to be more alike. Choices A, B, and D support these ideas, that the separately developed islands are different is also in accord with the passage. However the languages of all the continents would have developed in isolation, since man did not evolve until after the break-up of the landmass, and it is surprising that African and South American languages are similar. Human likeness or differences are irrelevant to the claims of the passage. So choice E is the correct, answer.
45.	C	This logical reasoning question is very easy as soon as you express the given statement symbolically. "If it is Saturday, then Amir has pizza and goes to Movies" translates as S → (P^M) this is equivalent to ~(P^M) → ~ S, which is equivalent to (~P∨ ~M)→ ~S so if either P or M is false, then S is false. Therefore, 3 is true, neither 1 nor 2 are true. So, the correct choice is C.
46.	D	Choice D is correct answer. Since severe climatic conditions rarely occur in well-travelled places, it is not necessarily true that "It is not often that many travellers who use antifreeze have their cooling systems freeze." Choice A mentions other means of transportation, which is not addressed in the passage. Choice B refers to "certain" liquids.
47.	E	The passage emphasizes the threat of bacteria to a burnt patient because the patient lack defence against bacteria. The burnt patient is more susceptible to bacterial infection. The tone of the write is to stress to protect the patient from the hazardous of the bacterial infection. So the choice E enhances the effectiveness of the argument.
48.	D	The statement creates need of fire escape for more than one storey buildings. If it is essential to have fire escape in a two storey building then four storey building also must have fire escape.
49.	B	As large number of workers does jobs in garment manufacturing concerns the salary expense is a major account. So wage increase is slow in this

		industry.
50.	C	A parallel reasoning of the causes or a doubt for the source of the cause can weaken the traditional views. The choice C creates doubt about the causes of the diseases.

		For Questions 51 – 55
		    First express each of the conditions symbolically
		    B, C, D, E, F, G: 1 audition each
		    Days: Thu, Fri, Sat, Sun
		    Each day: 1 or 2 auditions
		    2 consecutive days: 2 or 3 auditions
		    B=Sat C-x F<G E<D

51.	D	A violate the condition that Bob's audition will take place on Saturday (B=Sat). B violates condition that Carol's audition cannot be the only audition on a particular day (C-x). Choices C and E are impossible. Since Dave's audition must take place on a day after Ed's auditions (E<D) and Grace's audition must take place on a day after Frank's audition (F<G) neither can take place on Thursday. Only choice D does not violate any of the given condition, so this is the correct answer.
52.	B	The condition that Bob's and Frank's auditions are on the same day completely determines the schedule. They must take place on Saturday (B=Sat). To avoid having more than three auditions on two consecutive days, there can be only one audition on Friday and one on Sunday, which means there will take place on Thursday and Dave's audition on Friday. Finally, Carol's audition will be the second audition on Thursday. The final schedule is "C and E on Thursday, D on Friday, B and F on Saturday and G on Sunday". Only choice B is consistent with this schedule, so the correct choice is B.

53.	D	Since only one audition can take place on Friday, it cannot be Carol's (C-x); and, of course, it cannot be Bob's (B=Sat). Any of the other four actors could audition on Friday as indicated on the following schedules:
		    E/F on Thu, D on Fri, B on Sat, C/G on Sun
		    C/F on Thu, E on Fri, B on Sat, D/G on Sun
		    C/E on Thu, E on Fri, B on Sat, D/G on Sun
		    E/F on Thu, G on Fri, B on Sat, C/D on Sun
		So the correct Choice is D.

54.	E	The only schedule that fulfils the conditions is "E on Thu, E/G on Fri, B on Sat, C/D on Sun". Only choice E is consistent with this schedule.

55.	E	Since Ed and Bob's auditions are both taking place on Saturday, eliminate choices A and C, since Carole must audition on the same day as another actor, eliminate B. Finally, since Dave's audition must take place on Sunday (E<D), Frank's audition must take place on Thursday and grace's audition on Friday (F<G). Eliminate choice D. The complete schedule is: "C/F on Thu. G on Fri. B/F on Sat, D on Sun."

		For Questions 56 - 60
		    Let A, B, C, D, H, L represents professor names
		    C=February, A<H, B<<D and D<<B

56.	E	Only choice E is there, which does not violate any of the conditions, so E is the correct choice.
57.	B	With C serving in February and L in May, the only consecutive months available for B and D are March and April. Then since A must serve before H in June. There are two possible schedules, depending on the order of B and D, so the correct choice is B.
58.	E	If L serves in April, the consecutive months available for B and D are May and June: so choices C and D could be true. Since A must serve before H, choices A and B must be true. Only choice E cannot be true.
59.	C	Since A must serve before H does. A cannot serve in June, Can A serve in April? No. because then, D would serve in June (B<<D or D<<B), and again A would not precede H. The latest that A could serve in March, which could occur in the final order was: L, C, A/D. B and H.
60.	A	The only professors that can serve in January are A and L, so, one of them must serve in January, and neither serves in February. So the choice A cannot be true.
61.	C	The dynamic resistance of an A.C. circuit – combination of resistance and reactance is called the Impedance of the circuit.
62.	A	The equation of relative velocity is $v_{rel} = \dfrac{u-v}{1-\dfrac{uv}{c^2}}$, in this case u = v = c, hence $v_{rel} = \dfrac{c-(-c)}{1+\dfrac{c^2}{c^2}} = c$
63.	C	$Q = I \times t$ Unit of I and t are base units.
64.	D	Violet has least wavelength; hence, it has maximum possibility to eject electrons from the metal surface.
65.	C	10^{-12} = pico
66.	C	To produce electron-positron pair the energy required must be $\geq 1.0\,MeV$.

67.	B	4th excited state means $n = 5$ Hence the number of spectral lines $= \frac{n(n-1)}{2} = \frac{5 \times 4}{2} = 10$
68.	D	The wave length $= 2 \times 1.5 = 3$ m. $v = f\lambda = 3 \times 300 = 900$
69.	D	$E_n = \frac{-E_1 Z^2}{n^2} = \frac{-13.6eV \times 4}{9} = -6.04$ eV. KE $= E_n$ (positive) $= 6.04$ eV.
70.	A	$t_{1/2} = \frac{0.693}{\lambda}$ or $t_{mean} = t_{1/2}(1.42) = 2.5(1.42) = 3.55$h

END OF THE TEST