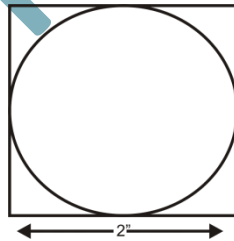## BZU Undergraduate Sample Admission Test 02
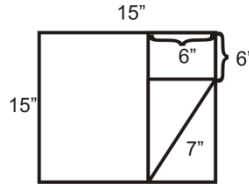
Section 1 Problem Solving

1.
$$0.2 \times 0.2 \times 0.002 =$$

   A. .08   B. .008   C. .0008   D. .00008   E. .000008

2. If it costs $1.30 a square foot to lay linoleum, what will be the cost of laying 20 square yards of linoleum? (3 ft. = 1 yd).

   A. $47.50   B. $49.80   C. $150.95   D. $249.00   E. $234.00

3. In a family of five, the heights of the members are 5 feet 1 inch, 5 feet 7 inches, 5 feet 2 inches, 5 feet, and 4 feet 7 inches. The average height is

   A. 4 feet $4\frac{1}{5}$ inches.   B. 5 feet.   C. 5 feet 1 inch.   D. 5 feet 2 inches.   E. 5 feet 3 inches.

4. Three times the first of three consecutive odd integers is 3 more than twice the third. Find the third integer.

   A. 7   B. 9   C. 11   D. 13   E. 15

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

   A. .14   B. .75   C. .86   D. 1.0   E. 3.14

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 1

6. The figure shows one square inside another and a rectangle of diagonal T. The best approximation to the value of T, in inches, is given by which of the following inequalities?
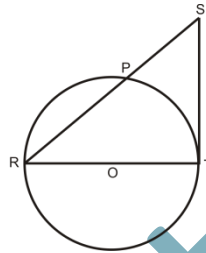

A. $8 < T < 9$ B. $9 < T < 10$ C. $10 < T < 11$ D. $11 < T < 12$ E. $12 < T < 13$

7. If nails are bought at 35 cents per dozen and sold at 3 for 10 cents, the total profits on $5\frac{1}{2}$ dozen is

A. 25 cents.   B. $27\frac{1}{2}$ cents   C. $28\frac{1}{2}$ cents   D. $31\frac{1}{2}$ cents.   E. 35 cents.

8. The total number of eighths in $2\frac{3}{4}$ is:

A. 11   B. 14   C. 19   D. 22   E. 24

9. What is the difference when $-x - y$ is subtracted from $-x^2 + 2y$?

A. $x^2 - x - 3y$ B. $-3x + y$ C. $x^2 + 3y$ D. $-x^2 + x - 3y$ E. $-x^2 + x + 3y$

10. If $2^m = 4x$ and $2^\omega = 8x$, what is m in terms of w?

A. $\omega - 1$ B. $\omega + 1$ C. $2\omega - 1$ D. $2\omega + 1$ E. ω^2

11. $1\frac{1}{4}$ subtracted from its reciprocal is:

A. $\dfrac{9}{20}$ B. $\dfrac{1}{5}$ C. $-\dfrac{1}{20}$ D. $-\dfrac{1}{5}$ E. $-\dfrac{9}{20}$

12. The total number of feet in x yards, y feet, and z inches is:

A. $3x + y + \dfrac{z}{12}$ B. $12(x + y + z)$ C. $x + y + z$ D. $\dfrac{x}{36} + \dfrac{y}{12} + z$ E. $x + 3y + 36z$

13. If five triangles are constructed having sides of the lengths indicated below, the triangle that will NOT be a right triangle is:

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 2

A.   5-12-13   B.   3-4-5   C.   8-15-17   D.   9-40-41   E.   12-15-18

14.   Of the following, the one that may be used correctly to compute $26 \times 3\frac{1}{2}$ is:

C. $\left(20 \times \frac{1}{2}\right) + (6 \times 3)$

D. $(20 \times 3) + \left(26 \times \frac{1}{2}\right) + \left(6 \times \frac{1}{2}\right)$

E. $\left(26 \times \frac{1}{2}\right) + (20 \times 3) + (6 \times 3)$

15.   In the following figure, *ST* is tangent to the circle at *T. RT* is a diameter. If *RS* = 12, and *ST* = 8, what is the area of the circle?

A. 5π B. 8π C. 9π D. 20π E. 40π

Section 2 Simple Arithmetic

16. $\sqrt{9} \times \sqrt{9} + \frac{1}{2} - 2\frac{1}{2}$

(a)   8   (b)   7   (c) $2\frac{3}{4}$ (d)   6

17. $(11)^2 = 1 + ?$

(a)   120   (b)   12.0   (c)   121   (d)   10

18. $3\frac{2}{3} + 1\frac{1}{2} + 4 \times 2 \div 4$

(a) $\frac{9}{2}$ (b)   10   (c) $4\frac{1}{2}$ (d)   None

19. $\dfrac{(24 \times 2) - 4 \times (6 - 2)}{2}$

(a) $\dfrac{32}{2}$ (b) $\dfrac{48 - 16}{2}$ (c) 16   (d) A, B, C

20. $121 \div 11 + 121 \div 11$

(a) 121   (b) 11   (c) 22   (d) A, B

21. $\dfrac{(11 \times 3) + 10 + 100}{0.5 + \dfrac{5}{10}}$

(a) 0.5   (b) $\dfrac{\frac{143}{3}}{5}$ (c) 10   (d) 143

22. Multiply 11 by 11 then divide by 11

(a) 121   (b) 22   (c) 11   (d) Can't be solved

23. Solve $\dfrac{19}{9}$ into Mixed No.

(a) $9\dfrac{1}{19}$ (b) $3\dfrac{1}{9}$ (c) $2\dfrac{1}{9}$ (d) None

24. $\dfrac{100}{\sqrt{100}} \times 1 = ?$

(a) 100   (b) 110   (c) 5   (d) 10

25. $? \times 12 = 24\%$ of 2

(a) 25   (b) 50   (c) 4%   (d) $\dfrac{1}{25}$

26. $Z + \dfrac{1}{Z} = \dfrac{5}{2}$ then $Z = ?$

(a) 2   (b) $\dfrac{1}{2}$ (c) $\dfrac{5}{2}$ (d) $\dfrac{4}{2}$

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 4

27. 12% of x = 12

    (a)   100   (b)   14   (c)   25   (d)   100

28. $\dfrac{25}{2}$ of 2% × 4 = ?

    (a)   4   (b)   3   (c)   2   (d)   1

29. $\dfrac{(100)^2 - (10)^2}{300} \times 1$

    (a)   33   (b)   99   (c)   900   (d)   300

30. $\dfrac{0.10 \times \sqrt{100}}{0.5 \div 0.5}$

    (a) $\dfrac{5}{10}$ (b)   1   (c)   10   (d)   0.5

Section 3 Series

Sr. No

#									
31.	2/3	0.75	0.8		0.9	5/6	1/6	1	
32.	16	32	32	64	64	32	16	48	
33.	2	9	64		181	81	225	625	
34.	6	10	15	22	32	42	46	48	50
35.	3	6	18	72	340	360	325	315	
36.	13	27	43	61	71	81	85	77	
37.	100	120	102	118	104	110	116	115	118
38.	4	6	12	15	45	220	49	75	50
39.	9	18	36	63	79	89	95	99	
40.	1	6	31	76	121	131	134	141	
41.	4	8	14	24	25	35	45	40	
42.	3	3	6	18	72	36	50	80	

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 5

43.	121	144	196		284	324	361	384
44.	16	36	54	70	80	84	65	68
45.	3125	256	27		8	16	6	4

Section 4 Reading Comprehension Passage

The eastern and western united state differs in many ways, but perhaps the most significant difference between the two regions is climate. The East receives enough rainfall to sustain agriculture, while the West does not receive adequate rainfall to do so .Additionally; there are widely disparate climatic variations within smaller regions in the West than there are in the East. The mountains, the Sierra Nevada's and the Cascades, that impede the Pacific Ocean's ability to cool in the summer and warm in the winter, as well as the fronts that bring moisture in the form of rain and snow, have much to do with the extremes of climate found in the West also affect climate because even the mountainous flatlands have elevations higher than a mile.

Because of these extremes, particularly in the area of rainfall (there can be as much as 150 inches of precipitation annually on the western side of the Sierra-Cascade range as contrasted with as little as four inches annually on the eastern side); irrigation becomes critical if the area is to remain viable for human habitation. Actually, it is so hot in some portions of the western desert that even when rain clouds form, it does not rain because the earth's reflected heat dissipated the moisture before it can reach the ground. Any drops that actually reach the ground quickly evaporate. While the arid Central Plains of the United Stated can use water for irrigation form the Ogallala Aquifer, a closed-basin aquifer, discovered after World War I, the western regions are too far away to benefit from this trapped run-off from several Ice Ages that is confined in gravel beds, stretching from South Dakota to West Texas, No wonder then that water is so precious to the people and farmlands of this are and that the population of this area presses for national, state, and local funding for irrigation projects that will store and reroute water for them.

The Colorado River, with its various tributaries, including, for example, the Gunnison, the Green, and the Gila, has long been the source of most irrigation projects in the desert areas of the West. Much of the water from the Colorado River goes into the state of California to irrigate the Imperial and San Joaquin Valleys. On its route from high in the Rockies to the Gulf of California, the river is diverted in many areas to irrigate fields; the salinity content of the water has increased dramatically. The amount of salt in the water can then have a detrimental effect on the crops if proper drainage systems are not built. Not only is a proper drainage system are not built. Not only is a proper drainage system exorbitantly expensive, but drainage systems also creating a run-off, Which must be handled in some efficient way. By the time the water is drained, this run-off would n not only contain salt, but probably pesticides as well, and the question of what to do with the run-off becomes an issue.

Despite the years of better than average rainfall in the late 70s and early to mid-80s that even cause the Great Salt Lake in Utah to flood , the situation in the western desert areas, particularly California, remains critical, It is not uncommon for droughts in the state to last several years. Consequently, water, not only for crops, but for human consumption itself, is at stake. Thus, it becomes a serious mandate to solve the water problem in this area if the area is to survive.

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

16. The world disparate means

A) Distinct

B) Different

C) Unusual

D) Analogous

E) Similar

17. According to the passage, one of the mountain ranges that affects rainfall in the West is the

A) Rockies

B) Appalachian

C) Colorado

D) Blue Ridge

E) Sierra Nevadas

18. According to the passage, another factor influencing climate in the West is

A) Desert plants

B) The Pacific Ocean

C) Elevation

D) The Colorado River

E) Plateaus

19. According to the passage, what has become critical on the eastern side of the Sierra-Cascade range?

A) Crop rotation

B) Truck farming

C) Crop dusting

D) The Colorado River

E) Drainage

20. In some areas of the arid western desert,. The formation of rain clouds doesn't assure rain because

A) Earth's reflected heat dissipated moisture

B) Mountains are too high

C) Desert winds blow clouds away

D) Plateaus are too dry

E) Riverbeds are too deep

21. The arid Central Plains are able to irrigate with water form the

A) Ogallala Aquifer

B) Colorado River

C) Rio Grande River

D) Dakota River

E) Green River

22. Which of the following is a tributary of the Colorado River?

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 7

Career Channel

CAT

www·entrytest·com

A) San Joaquin River
B) Aspen River

C) Gila River
D) Cascade River

E) Dakota River

23. Most of the water from the Colorado River goes into the state of

A) Nevada
B) New Mexico

C) Arizona
D) California

E) Utah

16. The word salinity means

A) Mineral
B) Pesticide

C) Oxide
D) Salt

E) Vegetable

17. Which of the following statements expresses an opinion the author of this passage might have?

A) Irrigation projects are an unnecessary expense
B) The situation in the desert of the West ins hopeless

C) If this area is to survive as a viable place of habitation, the water problem must be solved.
D) The water supply from the Colorado River is completely adequate to take care of the irrigation needs of the area

E) Only the Imperial and San Joaquin Valleys should be irrigated.

Section 5 Vocabulary

56. Documents: Archive = ?

A. Artifacts : Museum

B. Actor : Stage

C. Tool : Worker

D. Instrument : Musicians

57. Decision: Consideration = ?

A. Gift : Party

B. Boat : Ship

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 8

CAT

C.   Fulfillment : Wish

D.   Greed : Charity

58.   Ewe: Ram = ?

A.   Haggler : Bargain

B.   Shot : Pig

C.   Snake : Crocodile

D.   Spring : Autumn

59.   Explosion: Debris = ?

A.   Train : Car

B.   Locusts : Holocaust

C.   Bruise : Fall

D.   TV : VCR

60.   Enormous: Huge = ?

A.   Rough : Rock

B.   North : Climate

C.   Angle : Horn

D.   Boldness : Victory

61.   Emulate: Mimic = ?

A.   Slander : Defame

B.   Aggravate : Promote

C.   Praise : Flatter

D.   Express : Imply

62.   Elision: Syllable = ?

A.   Contraction : Letters

B.   Thesis : Ideas

C.   Diagnoses : Symptom

D.   Almanac : Facts

63.   Emancipate: Slavery = ?

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

A. Erase : Document

B. Inveigle : Agreement

C. Exonerate : Blame

D. Ratify : Contract

64. Elm: Tree = ?

A. Whale : Mammal

B. Cart : Horse

C. Cloud : Rain

D. Painting : Artist

65. Excessive: Moderation = ?

A. Expensive : Cost

B. Extensive : Duration

C. Impulsive : Reflection

D. Arbitrary : Courage

66. Belligerence : Aggressor = ?

A. Insensitivity : Boor

B. Confidence : Prelate

C. Irascibility : Pacifist

D. Truculence : Hostility

67. Bully: Bluster = ?

A. Coward : Rant

B. Charlatan : Snivels

C. Stool Pigeon : Squeal

D. Blackguard : Cringe

68. Bungler: Competence = ?

A. Grumbler : Satisfaction

B. Jester : Wit

C. Meddle : Patience

D. Beggar : Influence

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 10

69. Request : Refusal = ?

- A. Trial : Failure
- B. Cat : Obesity
- C. Swim : Sink
- D. Struggle : Victory

70. Inch : Foot = ?

- A. Ounce: Pound
- B. Disease : Filth
- C. Rod : Yard
- D. Minute : Second

Section 6 Sentence Correction

71. The reason that the number of accidents this year is <u>greater than that of last year is because</u> Americans are uninterested in safely techniques.

- A. is greater than that of last year is because
- B. is greater than last year is because
- C. is greater than last year is that
- D. is greater than that of last year is that
- E. is greater than the number of accidents last year is because

72. Julio found the new job <u>more preferable to the one he had left so he decided to continue on</u> for a while.

- A. more preferable to the one he had left so he decided to continue on
- B. preferable to the one he had left so he decided to continue on
- C. more preferable to the one he had left so he decided to continue
- D. preferable to the one he had left so he decided to continue
- E. more preferable than the one he had left so he decided to continue

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 11

73. <u>Since we are living</u> in New York for five years, we are reluctant to move to another city.

    A.   Since we are living

    B.   Being that we are living

    C.   Being that we have been

    D.   Since we have been living

    E.   Since we were living

74. <u>As a child, my parents took me to Chicago to visit my grandfather</u>.

    A.   As a child, my parents took me to Chicago to visit my grandfather.

    B.   My parents took me to Chicago to visit my grandfather as a child.

    C.   My parents took me, as a child, to Chicago to visit my grandfather

    D.   A child, my parents took me to Chicago to visit my grandfather.

    E.   When I was a child, my parents took me to Chicago to visit my grandfather.

75. He said that, if <u>he were elected president and that if funds were available, that</u> he would create a national theater.

    A.   He were elected president and that if funds were available, that

    B.   Elected president, and funds were available, that

    C.   He were elected president and funds were available, that

    D.   He were elected president and funds were available,

    E.   Elected president, and funds were available.

76. <u>Having managed the team for years, he understood the players</u>.

    A.   Having managed the team for years, he understood the players.

    B.   After managing the team for years, the players were understood by him.

    C.   Having managed the team for years, the players were understood by him.

    D.   For years having managed the team, its players were understood by him.

    E.   Because he had managed the team for years, its players were understood by him.

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 12

77.   Anyone interested in Web site design can find a job in contemporary industry <u>if you learn </u>the basic coding languages such as HTML and Java.

   A.   If you learn

   B.   If you will learn

   C.   If he would learn

   D.   By the study of

   E.   By studying

78.   During he gasoline shortage of the 1970s caused by the actions of the OPEC nations, <u>the number of accidents on our highways decreased markedly</u>.

   A.   the number of accidents on our highways decreased markedly

   B.   the amount o accidents on our highways decreased markedly

   C.   there were less accidents on our highways

   D.   there were a fewer amount of accidents on our highways

   E.   they found there were many fewer accidents on our highways.

79.   <u>Being that only 24 states</u> have ratified the proposed amendment, we can assume that it will not be adopted.

   A.   Being that only 24 states

   B.   Since 24 states only

   C.   Being as only 24 states

   D.   Seeing as how only 24 states

   E.   Inasmuch as only 24 states

80.   I have studied the works of George Bernard Shaw not only for their plots but <u>also because they are very witty.</u>

   A.   Also because they are very witty

   B.   Because they are also very witty

   C.   For their wit also

   D.   Because they are very witty also

   E.   Also for their wit

81.   <u>The noise at the airport was deafening, which made conversation</u> difficult if not impossible.

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 13

A.   the noise at the airport was deafening, which made conversation

B.   the noise at the airport was deafening, and it made conversation

C.   Her deafening noise at the airport made conversation

D.   the airport noise was deafening, which made conversation

E.   the noise at the airport was deafening, conversation being

82.   Inflation in the United States had no <u>and, we hope, never will reach</u> a rate of 20 percent a year.

A.   And, we hope, never will reach

B.   Reached and, we hope, never will

C.   And hopefully never will reach

D.   Reached and, we hope never will reach

E.   Reached and hopefully never will

83.   <u>More than any animal</u>, the wolverine exemplifies the unbridled ferocity of "nature red in tooth and claw."

A.   More than any animal

B.   More than any other animal

C.   More than another animal

D.   Unlike any animal

E.   Compared to other animals

84.   In 1896, Henri Bequerel found that uranium salts emitted penetrating radiations <u>similar to those which Roentgen</u> produced only a year earlier with a gas discharge tube.

A.   similar to those which Roentgen

B.   Like those which Roentgen

C.   similar to them which Roentgen had

D.   similar to them that Roentgen

E.   similar to those Roentgen

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 14

85.   <u>Unless they re verse present policies</u> immediately, the world may suffer   permanent damage from the unregulated use of pesticides.

    A.   Unless they re verse present policies

    B.   Unless present policies are reversed

    C.   Unless present policies will be reversed

    D.   If it will not reverse present policies

    E.   If present policies will not be reversed

Section 7 General Knowledge

86 Name the first, free adult who became a Muslim?
    A)   Hazrat Usman   B)   Hazrat Abu Bakr   C)   Hazrat Ali   D)   Hazrat Umar

87 Which title is used for the Muslims of Madina who received and helped the Prophet (PBUH) after his migration from Makkah?
    A)   Ansar   B)   Ansar-ul-Nabi   C)   Both of them   D)   None of them

88 Associating partners with Allah is called
    A)   Kufr   B)   Shirk   C)   Munafqat   D)   All of these

89 Imam Bukhari's compilation is called as
    A)   Mustanad   B)   Sahih   C)   Both of them   D)   None of them

90 Major language of the Yemen is:
    A)   Persian   B)   Arabic   C)   English   D)   French

91 Currency of the Yemen is:
    A)   Rial   B)   Rupee   C)   Dinar   D)   Dollar

92 Hand is the name of capital of Vietnam. Name its currency?
    A)   Bath   B)   Dong   C)   Lira   D)   None of these

93 Which is the official language of UAE?
    A)   English   B)   Turkish   C)   Persian   D)   Arabic

94 Which of the following is the capital of Taiwan?
    A)   Taipei   B)   Beijing   C)   Farmusa   D)   None of these

95 The earth consists of three main zones; hydrosphere; lithosphere and
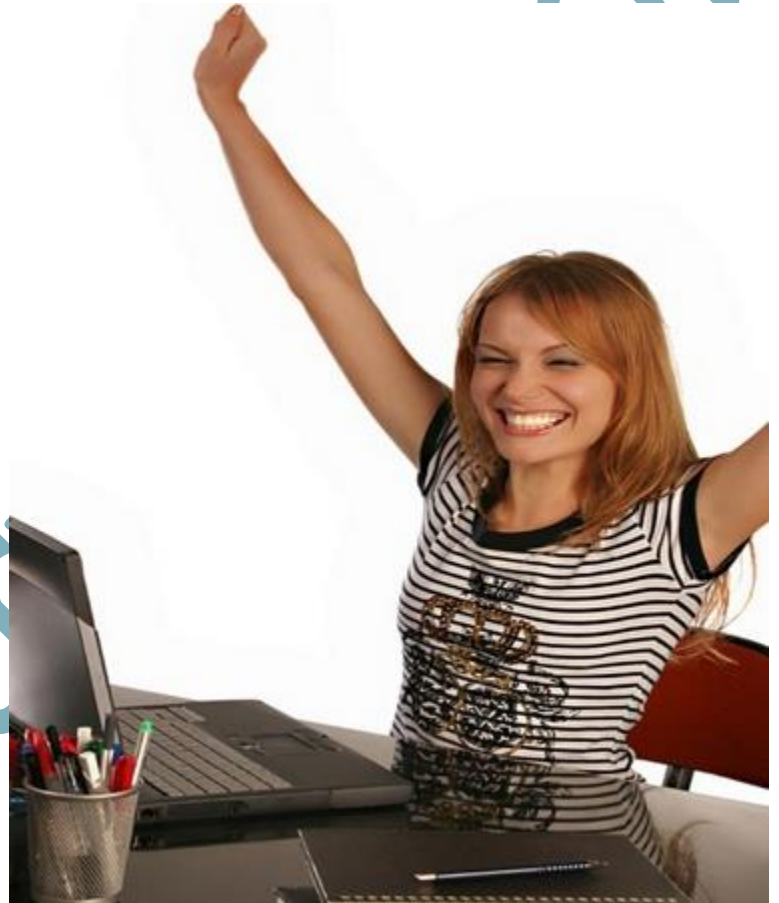   A)   Atmosphere   B)   Ionosphere   C)   Photosphere   D)   None of these

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 15

96 A hollow on the surface of the earth, Moon or other planets is known as

A) Crater   B) Core   C) Hollow graph   D) Depression

97. What is called flow of a body of water, air, of heat, moving in a definite direction?

A) Mantel   B) Current   C) Core   D) Crater

98. What is cyclone?

A) Air whirl   B) Strong air   C) Heavy air   D) A giant circular storm system

99. When organization of the Islamic Conference was (OIC) created?

A) 1969   B) 1965   C) 1970   D) 1964

100. How many Muslim countries hold the membership of OIC?

A) 55   B) 50   C) 56   D) 47

END OF TEST

For Answer Key: www.entrytest.com/testprep/answers.aspx

Downloaded More Sample Papers from: www.admission.pk

Downloaded More Sample Papers from: www.entrytest.com

For Online Test Preparation: www.thecatonline.com

Career Channel News: www.entrytest.com/rss/default.aspx**(Meets your all Educational Needs)**
For Answers: www.entrytest.com/testprep/answers.aspx

Page 17