

## BZU Undergraduate Sample Admission Test 01

## Section 1 Problem Solving

1. If the price of a tin pack is increased by 20% and the quantity sold is decreased by 20%, then the net effect on gross receipts
  - A. Decreases by 20%
  - B. Decreases by 4%
  - C. Stays the same
  - D. Increases by 10%
  - E. Increases by 20%
  
2. If it is 250 miles from New York to Boston and 120 miles from New York to Hartford, what percentage of the distance from New York to Boston is the distance from New York to Hartford?
  - A. 12
  - B. 24
  - C. 36
  - D. 48
  - E. 52
  
3. The lead in a mechanical pencil is 5 inches long. After pieces  $\frac{1}{8}$  of an inch long,  $1\frac{3}{4}$  inches long, and  $1\frac{1}{12}$  inches long are broken off, how long is the lead left in the pencil?
  - A. 2 in.
  - B.  $2\frac{1}{24}$  in.
  - C.  $2\frac{1}{12}$  in.
  - D.  $2\frac{1}{4}$  in.
  - E.  $2\frac{1}{2}$  in.

4. It costs  $x$  dollars each to make the first thousand copies of a compact disk and  $y$  dollars to make each subsequent copy. If  $z$  is greater than 1,000, how many dollars will it cost to make  $z$  copies of the compact disk?
- A.  $1,000x + yz$
  - B.  $Zx - zy$
  - C.  $1,000 ( z - x ) + xy$
  - D.  $1,000 ( z - y ) + xz$
  - E.  $1,000 ( x - y ) + yz$
5. How many two-digit numbers satisfy the following property: the last digit (units digit ) of the square of the two-digit number is 8?
- A. None
  - B. 1
  - C. 2
  - D. 3
  - E. More than 3
6. If  $x + y = 3$  and  $\frac{y}{x} = 2$ , then  $y$  is equal
- A. 0
  - B.  $\frac{1}{2}$
  - C. 1
  - D.  $\frac{3}{2}$
  - E. 2
7. Ms. Taylor purchased stock for \$1,500 and sold  $\frac{2}{3}$  of it after its value doubled. She sold the remaining stock at 5 times its purchase price. What was her total profit on the stock?
- A. \$1,500
  - B. \$2,000

- C. \$2,500  
D. \$3,000  
E. \$6,000
8. A car goes 15 miles on a gallon of gas when it is driven at 50 miles per hour. When the car is driven at 60 miles per hour it only goes 80% as far. How many gallons of gas will it take to travel 120 miles
- A. 2  
B. 6.4  
C. 8  
D. 9.6  
E. 10
9. If  $x + y = z$  and  $x$  and  $y$  are positive, then which of the following statements can be inferred?
- I)  $x < y$   
II)  $x < z$   
III)  $x < 2z$
- A. I only  
B. II only  
C. I and II only  
D. II and III only  
E. I, II, and III
10. Mr. Smith drove at an average speed of 50 pmh for the first two hours of his trip. For the next three hours, he averaged 20 mph. what was Mr. Smith's average speed for the five-hour trip?
- A. 30mph  
B. 32mph  
C. 35mph  
D. 38mph  
E. 160mph

11. If in 1997, 1998, and 1999 a worker received 10% more in salary each year than she did the previous year, how much more did she received in 1999 than in 1997?
- A. 10%
  - B. 11%
  - C. 20%
  - D. 21%
  - E. 30%
12. If  $x$  is a number satisfying  $2 < x < 3$  and  $y$  is a number satisfying  $7 < y < 8$ , which of the following expressions will have the largest value?
- A.  $x_2y$
  - B.  $xy_2$
  - C.  $5xy$
  - D.  $\frac{4x^2y}{3}$
  - E.  $\frac{x^2}{y}$
13. If 50 apprentic can finish a job in 4 hours and 30 skilled workers can finish the same job in  $4\frac{1}{2}$  hours, hour much of the job should be completed by 10 apprentices and 15 skilled workers in one hour?
- A.  $\frac{1}{9}$
  - B.  $\frac{29}{180}$
  - C.  $\frac{26}{143}$
  - D.  $\frac{1}{5}$
  - E.  $\frac{39}{121}$

14. If the shaded area is one half the area of triangle ABC and angle AB is a right angle, then the length of line segment AD is
- $\frac{1}{2}w$
  - $\frac{1}{2}(w + x)$
  - $\sqrt{2x^2 + z^2}$
  - $\sqrt{w^2 - 3y^2}$
  - $\sqrt{y^2 + z^2}$
15. There are 4 quarts in a gallon. A gallon of motor oil sells for \$12 and a quart of the same oil sells for \$5. The owner of a rental agency has 6 machines and each machine needs 5 quarts of oil. What is the minimum amount of money she must spend to purchase enough oil?
- \$84
  - \$94
  - \$96
  - \$102
  - \$150

## Section 2 Simple Arithmetic

16.  $30 \times 40 = ? \times 72$
- (a) 100                      (b) 600                      (c) 300                      (d) 400
17.  $\frac{4}{2} + \frac{6}{4} + \frac{8}{6} = ?$
- (a)  $\frac{29}{6}$                       (b)  $\frac{10}{12}$                       (c)  $\frac{18}{6}$                       (d)  $\frac{27}{8}$
16.  $\frac{(120 - 100)(220 - 200)}{200 \div 10} = ?$
- (a) 10                      (b) 20                      (c) 30                      (d) 40

17.  $1200 \div 20 \times 0.5 = ?$   
 (a) 10                      (b) 20                      (c) 30                      (d) 40
16.  $\frac{(40 \times 2) + 120 + 100}{92.5 - 90.5} = ?$   
 (a) 210                      (b) 120                      (c) 450                      (d) 155
17.  $\frac{(500 \times 10) - (620 \times 5)}{40 \times 10} = ?$   
 (a) 2.86                      (b) 3.97                      (c) 1.78                      (d) 4.75
18. Change  $\frac{26}{6}$  to a mixed number.  
 (a)  $3\frac{2}{8}$                       (b) 50                      (c)  $4\frac{2}{6}$                       (d)  $6\frac{2}{6}$
19.  $\frac{1680 \div 16.80}{0.5} = ?$   
 (a) 100                      (b) 30                      (c) 600                      (d) 200
20.  $\frac{200}{\sqrt{?}} = 5$   
 (a) 100                      (b) 500                      (c) 1500                      (d) 1600
21.  $Z + \frac{1}{Z} = 2, Z = ?$   
 (a) 1                      (b) 2                      (c) 3                      (d) 0
22. 25% of x = 250, x = ?  
 (a) 2000                      (b) 1000                      (c) 10,000                      (d) 100
23.  $\frac{5}{9} \div \frac{15}{18} \div \frac{12}{6} = ?$

- (a)  $\frac{4}{9}$                       (b)  $\frac{3}{2}$                       (c)  $\frac{2}{6}$                       (d)  $\frac{14}{12}$

24.  $(130)^2 - (120)^2 = ?$

- (a) 2000                      (b) 2500                      (c) 3000                      (d) 1000

25.  $\frac{12}{4} + \frac{8}{4} + \frac{6}{4} = ?$

- (a) 12                      (b) 20                      (c)  $12\frac{6}{4}$                       (d)  $6\frac{2}{4}$

16. Change  $6\frac{3}{5}$  to an improper fraction

- (a)  $\frac{33}{5}$                       (b)  $\frac{22}{6}$                       (c)  $\frac{20}{5}$                       (d)  $\frac{30}{5}$

## Section 3 Series

Sr No

16.	1.25	5/9	5/16	0.1	0.2	0.3	0.25
17.	625	24	529	22	441	21	400
18.	64	56	49	42	34	38	36
19.	1000	81	512		216	343	36
20.	90	72	56	38	16	20	22
21.	3125	625	125		50	25	5
22.	3125	1296	343		64	4	45
23.	8	9	18	21	84	160	89
24.	625	1024	729		525	256	343
25.	1600	900	484	256	169	144	196
26.	480	490	505	530	560	570	575
27.	2	4	16	38	60	65	70
28.	1	2	6	15	31	45	46

29.	2	4	16	5	25	625	125	0	1
30.	8	24	48	48		1	0	24	16

## Section 4 Reading Comprehension

### Passage

It happened one day that a fisherman putting out to sea in a boat was just about to cast a net, when right in front of him he saw a man on the point of drowning. Being a stout-hearted and at the same time an agile man, he jumped up and, seizing a boathook, thrust it towards the man's face. It caught him right in the eye and pierced it. The fisherman hauled the man into the boat and made for the shore without casting any of his nets. He had the man carried to his house and given the best possible attention and treatment, until he had got over his ordeal. For a long time, that man thought about the loss of his eye, considering it a great misfortune. "That wretched fellow put my eye out, but I didn't do him any harm. I'll go and lodge a complaint against him—Why, I'll make things really hot for him!" Accordingly he went and complained to the magistrate, who fixed a day for the hearing. They both waited till the day came round, and then went to the court. The one who had lost an eye spoke first, as was appropriate. "Gentlemen," he said, "I'm bringing a complaint against this worthy, who, only the other day, savagely struck me with a boathook and knocked my eye out. Now I'm handicapped. Give me justice, that's all I ask. I've nothing more to say." The other promptly spoke up and said, "Gentlemen, I cannot deny that I knocked his eye out, but if what I did was wrong, I'd like to explain how it all happened. This man was in mortal danger in the sea, in fact he was on the point of drowning. I went to his aid. I won't deny I struck him with my boat hook, but I did it for his own good: I saved his life on that occasion. I don't know what more I can say. For God's sake, give me justice!"

The court was quite at a loss when it came to deciding the rights of the case, but a fool who was present at the time said to them, "Why this hesitation? Let the first speaker be thrown back into the sea on the spot where the other man hit him in the face, and if he can get out again, the defendant shall compensate him for the loss of his eye. That I think fair judgment." Then they all cried out as one man, "You're absolutely right! That's exactly what we'll do!" Judgment was then pronounced to that effect. When the man heard that he was to be thrown into the sea, just where he had endured all that cold water before, he wouldn't have gone back there for the entire world. He released the Goodman from any liability, and his earlier attitude came in for much criticism.

In the light of this incident, you can take it from me that it's a waste of time to help a scoundrel. Release guilty thief from the gallows, and he will never like you for it. A wicked man will never be grateful to anyone who does him a good turn: He'll forget all about it; it will mean nothing to him. On the contrary, he would be only too glad to make trouble for his benefactor if he ever saw him at a disadvantage.



46. The word cast is used
- A) Tint  
B) Perform  
C) Hurl  
D) Mold  
E) Copy
47. Paragraph 1 makes it clear that the fisherman is
- A) Essentially well-meaning  
B) Clumsy and Foolish.  
C) Fat but nimble  
D) Hard-working and honest.  
E) Basically unlucky
48. The word fixed is used to mean
- A) Corrected  
B) Secured  
C) Set  
D) Mended  
E) Attached
49. The word worthy is used to mean
- A) Caliber  
B) Significance  
C) Morality  
D) Gentleman  
E) Prize
50. Paragraph 3 concerns
- A) The narrator's beliefs  
B) The court's wishes  
C) The one-eyed man's complaint  
D) The fisherman's plea  
E) The magistrate's judgment
51. The fool's suggested solution to the case was
- A) Pitiless and spiteful  
B) Absurd but lawful  
C) Harsh but fair  
D) Just and merciful  
E) Sensible but unjust
52. The phrase "as one man" means
- A) Manfully  
B) As someone once said

- C) One by One  
 D) Together  
 E) As he believed

53. "In the light of this incident" means

- A) Thanks to that event  
 B) Because of this tale  
 C) Without further ado  
 D) As darkness falls  
 E) As you can see from this story

54. The narrator clearly believes that the one-eyed man

- A) Showed good sense  
 B) Had bad luck  
 C) Deserved better  
 D) Was a scoundrel  
 E) Did the right thing

55. The moral of this story might be

- A) Do unto others as you would have them do unto you  
 B) A wicked man is never satisfied  
 C) You can only be good so long  
 D) There is no such thing as justice  
 E) The one – eyed man is king

## Section 5 Vocabulary

56. Bustle: Move = ?

- A. Hymn : Sing  
 B. Lope : Run  
 C. Glide : Dance  
 D. Chatter : Talk

57. Cat : Feline = ?

- A. Fat ; Fortune  
 B. Puppet : Doll  
 C. Horse : Equine

- D. Tiger : Vulpine
58. Condone: Treachery = ?
- A. Punish : Criminal
  - B. Over lock : Aberration
  - C. Ignore : Loyalty
  - D. Mitigate : Penitence
59. Climb : Lion = ?
- A. Row : Canoe
  - B. Ride : Horse
  - C. Throw : Balloon
  - D. File : Finger
60. Correspondence: Clerk = ?
- A. Office : Manager
  - B. Secretary : Stenographer
  - C. Records : Archivist
  - D. Orders : Accounts
61. Composer : Symphony = ?
- A. Writer : Prose
  - B. Painter : Muse
  - C. Coach : Team
  - D. Doctor : Stethoscope
62. Census: Population = ?
- A. Catalogue : Pictures
  - B. Inventory : Supplies
  - C. Detonation : Explosion

- D. Dictionary : Words
63. Charity: Virtue = ?
- A. Greed : Evil
  - B. Avaricious : Vivacious
  - C. Penury : Crime
  - D. Avarice : Vice
64. Callow: Maturity = ?
- A. Incipient : Fruition
  - B. Spoiled : Purity
  - C. Young : Old
  - D. Eager : Anxiety
65. Crest: Wave = ?
- A. Climax : Action
  - B. Elegy : Memory
  - C. Example : Paradigm
  - D. Milestone : Distance
66. Clothe: Commonplace = ?
- A. Bitter : Pill
  - B. Serious : Play
  - C. Maxim : Terse
  - D. Annoy : Destroy
67. Disperse: Assemble = ?
- A. Nervous : Poise
  - B. Chaos: Order

- C. Letter : Alphabet  
D. Flurry : Blizzard
68. Devil: Wrong = ?  
A. Picture : Bedroom  
B. Colure : Sidewall  
C. Slipper : State  
D. Ink : Writing
69. Dubious: Indisputable = ?  
A. Avaricious : Generous  
B. Pespicious : Tenacity  
C. Painful : Turmoil  
D. Slander : Libel
70. Dauntless: Courage = ?  
A. Unruffled : Composure  
B. Ruthless : Compassion  
C. Affordable : Suspicion  
D. Energetic : Indifferences

## Section 6 Sentence Correction

71. The principal reason for our failure was quite apparent to those whom we had brought into the venture.  
A. to those whom we had brought  
B. to them whom we had brought  
C. to the ones whom we had brought  
D. to those who we had brought

- E. to those we had brung
72. Although he was the most friendly of all present and different from the others, he hadn't hardly any friends except me.
- A. different from the others, he hadn't hardly any friends except me
- B. different than the others, he had hardly any friends except me
- C. different from the others, he had hardly any friends except me
- D. different than the others, he hadn't hardly any friends except I
- E. different from the others, he hardly had any friends except I
73. It was us who had left before the arrived.
- A. us who had left before he arrived
- B. we who had left before he arrived
- C. we who had went before he arrived
- D. us who had went before he arrived
- E. we who had left before the time he arrived
74. She is the sort of person who fell would be capable of making these kind of statements.
- A. sort of person who I fell would be capable of making these kind of
- B. sort of a person who I fell would be capable of making these kind of
- C. sort of person who if ell would be capable of making these kinds of
- D. sort of person whom I fell would be capable of making these kinds of
- E. sort of person whom I fell would be capable of making this kind of
75. Due to the continual rain, a smaller number of spectators witnessed the game than had been expected.
- A. Due to the continual rain, a smaller number
- B. Due to the continuous rain, a smaller number
- C. Due to the continual rain, a lesser number

- D. Because of the rain that kept falling now and then, a smaller number  
E. Because of the continual rain, a smaller number
76. Beside me, there were many persons who were altogether aggravated by his manners.  
A. Beside me, there were many persons who were altogether aggravated  
B. Beside me, there were many persons who were all together aggravated  
C. Besides me, there were many persons who were altogether aggravated  
D. Besides me, there were many persons who were altogether irritated  
E. Beside me, there were many persons who were all together irritated
77. The owner, who was a kind man, spoke to the boy and he was very rude.  
A. , who was a kind man, spoke to the boy and he  
B. was a kind man and he spoke to the boy and he  
C. spoke to the boy kindly and the boy  
D. , a kind man, spoke to the boy who  
E. who was a kind man spoke to the boy and he
78. Because we cooperated together, we divided up the work on the report which had been assigned.  
A. together, we divided up the work on the report which had been assigned  
B. together, we divided the work on the report which had been assigned  
C. , we divided up the work on the report which was assigned  
D. , we divided the work on the assigned report  
E. we divided up the work on the assigned report
79. The senator rose up to say that, in her opinion, she thought the bill should be referred back to committee.  
A. rose up to say that, in her opinion, she thought the bill should be referred back  
B. rose up to say that she thought the bill should be referred back

- C. rose up to say that she thought the bill should be referred
- D. rose up to say that, in her opinion, the bill should be referred
- E. as I concur with you decision to try, to
80. I don't know as I concur with your decision to try and run for office.
- A. as I concur with your decision to try and
- B. that I concur in your decision
- C. as I concur in your decision to try to
- D. that I concur with your decision to try to
- E. as I concur with your decision to try, to
81. Jones, the president of the union and who is also a member of the community group, will be incharge of the negotiations.
- A. who is also a member of the community group
- B. since he is a member of the community group
- C. a member of the community group
- D. also being a member of the community group
- E. , in addition, who is a member of the community group
82. The instructor told the student to hold the club lightly, keeping his eye on the ball and drawing the club back quickly, but too much force should not be used on the downward stroke.
- A. to hold the club lightly, keeping his eye on the ball and drawing the club back quickly, but too much force should not be used
- B. to hold the club lightly, keep his eye on the ball, and drawing the club back quickly, and too much force should not be used
- C. to hold the club lightly, keep his eye on the ball, draw the club back quickly, and not used too much force
- D. to hold the club lightly, keep his eye on the ball, draw the club back quickly and too much force should not be used



- E. he should hold the club lightly, keeping his eye on the ball, drawing the club back quickly, and not using too much force
83. The horse, ridden by the experienced jockey with the broken leg, had to be destroyed.
- A. horse, ridden by the experienced jockey with the broken leg, had  
B. horse ridden by the experienced jockey with the broken leg had  
C. horse with the broken leg ridden by the experienced, jockey had  
D. horse with the broken leg ridden by the experienced jockey, had  
E. horse with the broken leg, ridden by the experienced jockey, had
84. Our guest let us know that he would be arriving next week in his last letter.
- A. that he would be arriving next week in his last letter  
B. that he was arriving next week in his last letter  
C. that he will arrive next week in his last letter  
D. in his last letter that he would be arriving next week  
E. in his last letter that he was arriving next week
85. Whoever objects to me going to the convention ought to state her position promptly.
- A. Whoever objects to me  
B. Whomever objects to me  
C. Whomever objects to my  
D. Whoever objects to my  
E. Whoever has an objection to me

## Section 7 General Knowledge

86. Who is the author of Awaz-e-Dost?  
A) Aslam Masud B) Haider Ali C) Mukhtar Masud D) None of these
87. Bostan's writer is

- A) Hali                      B) Galib                      C) Saadi                      D) Wajid
88. Who is the author of Gulistan?  
A) Hali                      B) Mohsin                      C) Galib                      D) Saadi
89. The author of Muslim Sahih is:  
A) Imam Gzali              B) Imam Muslim              C) Imam Iqbal              D) Imam Abu Hanifa
90. Platos creation is  
A) People                      B) Polite                      C) Dialogues                      D) State
91. How many meetings shall be held, every year, of the National Police management?  
A) Three                      B) Two                      C) One                      D) None of these
92. Superintendent of police can make the promotion to the rank of  
A Assistant sub-  
) inspector                      B) Sub-inspector                      C) Both of these                      D) None of these
93. By which name Lahore is famous?  
A) City of Market              B) City of people                      C) City of Colleges                      D) None of these
94. Which city of Italy is famous as "City of seven Hills"?  
A) Italy                      B) Jordan                      C) Iran                      D) Rome
95. What is continent Africa called?  
A) Fair Continent              B) Dark Continent                      C) Red continent                      D) All of these
96. The earth consists of three main zones; hydrosphere; lithosphere and  
A) Atmosphere              B) Ionosphere                      C) Photosphere                      D) None of these
97. A hollow on the surface of the earth, Moon or other planets is known as  
A) Crater                      B) Core                      C) Hollow graph                      D) Depression
98. 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
99. When "Fasting" was made obligatory?

- A) 3<sup>rd</sup> year of hijrat      B) 2<sup>nd</sup> year of hijrat      C) One year of hijrat      D) Two year of hijrat

100. When Zakat was made obligatory?

- A) 3<sup>rd</sup> year of hijrat      B) 2<sup>nd</sup> year of hijrat      C) 4<sup>th</sup> year of hijrat      D) 5<sup>th</sup> year of hijrat

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