

NUST Sample Test 02 for Management Sciences

Section 1 Quantitative

1. 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. 60
B. 72
C. 74
D. 92
2. $2244 \div 44 = ? \div 11$
- A. 561
B. 310
C. 40
D. 81
3. If 10 men can do a job in 15 days, the number of days, in which 25 men can finish the same work is:
- A. 12
B. 6
C. 3
D. None
4. The grades received on a test by twenty students were 100, 55, 75, 80, 65, 65, 85, 90, 80, 45, 40, 50, 85, 85, 80, 80, 70, 65, and 60. The average of these grades is
- A. 70
B. 72
C. 77
D. 80
5. Javed's average score on his first 3 tests is 90. If his average on his last 2 tests is 80, what is average score for all 5 tests?
- A. 85
B. 86

- C. 87
D. 88
6. $32 \times 12 + 6 - 300$
A. 100
B. 56
C. 90
D. 54
7. A garrison of 1500 men has provisions for 6 weeks. At the end of the first 2 weeks 500 men desert. How long after this will the food last?
A. 12
B. 6
C. 3
D. 18
8. Four men working together can dig a ditch in 42 days. They begin, but a man work only half-days. How will it take to complete the job?
A. 12
B. 48
C. 24
D. 6
9. $3 \times \sqrt{81} \div 27$
A. 1
B. 2
C. 3
D. 4
10. $18 + 12 \times 2 \div 24$
A. 20
B. 19
C. 29
D. 40

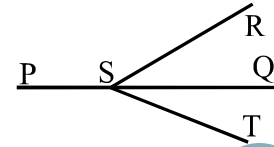
11. A clerk in internal communication department of a pharmaceutical company is assigned to file 800 memos in envelopes. If he can insert memos, in the envelope, at the rate of 80 in one hour. The number of memos remaining to be inserted after 7 hours of work is
- A. 140
 - B. 240
 - C. 260
 - D. 560
12. If it takes 4 days for 3 machines to do a certain job, how many days are required to complete the job by two machines?
- A. 6 days
 - B. $5\frac{1}{2}$ days
 - C. 5 days
 - D. $4\frac{1}{2}$ days
13. 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 hours, the time it will take to reach its destination is?
- A. 7.5 min
 - B. 10 min
 - C. 15 min
 - D. 20 min
14. If the average speed of a train between two stations is 30 mph and the two stations are $\frac{1}{2}$ miles apart, the time it takes the train to travel from one station to the other is?
- A. 1 min
 - B. 2 min
 - C. 1 hour
 - D. 1 second
15. Every letter in the alphabet has a number value, which is equal to its place in the alphabet; the letter A has a value of 1 and C a value of 3. The number value of a word is obtained by adding up the value of the letters in the word and then multiplying that sum by the length of the word. The word "DFGH" would have a number value of
- A. 22

- B. 44
C. 66
D. 100
16. $\$x$ is that $\$x$ is equal to the nearest low integer to x . What is the value of $\$6.99$ times $\$ - 2.01$?
- A. 18
B. 12
C. -12
D. -18
17. The population of a town is 30,000 and is growing at the rate of 14% per year, whereas the population of a near by town is growing at the rate of 10% per year. After one year the combined growth of both of the towns is found to be 12%. What is the population of the second town?
- A. 20000
B. 10000
C. 30000
D. 60000
18. How much water must be added to 10 gallons of solution that is 20% alcohol to dilute it to a solution that is only 5% alcohol?
- A. 5
B. 10
C. 20
D. 30
19. The number of half pound packages of tea that can be weighed out of a box that holds $10\frac{1}{2}$ lb. of tea is
- A. 11
B. 21
C. 20
D. 32
20. A man spent $\frac{15}{16}$ of his entire fortune in buying a car for 7500. How much money did he posses?

- A. 8000
B. 7000
C. 15000
D. 16000
21. In a screening process of 5600 candidates, 20% of the candidates were disqualified in the first test. In the second test 40% of the first test qualifiers were disqualified. How many candidates qualified the test?
- A. 2688
B. 1344
C. 3600
D. 5000
22. What is 6% of 6000?
- A. 720
B. 600
C. 72000
D. 360
23. During a race, the initial speed of a runner is 50 km per hour. At the end, the speed of the runner is dropped to 30 km per hour. What is the rate of decrease of the speed of the runner?
- A. 20%
B. 40%
C. 50%
D. 10%
24. A man spent 10% of his money. After spending 60% of the remainder, he has Rs. 72 left. How much had he in the start?
- A. 100
B. 400
C. 200
D. 500
25. Rahi invests Rs. 2400 in the Security National Bank at 5%. How much additional money must he invest at 8% so that the total annual income will be equal to 6% of his entire investment?

- A. 12000
B. 1200
C. 600
D. 1000
26. A man invests Rs. 2500 in two banks. One bank pays 8% interest and the other pays 10%. The total interest earned amounts to Rs. 230. How much amount was in the bank paying 10% interest?
- A. Rs. 1500
B. Rs. 2000
C. Rs. 3000
D. Rs 500
27. Rani is twice as old as Rizwana was 2 years ago. If the difference of their ages be 2 years, how old is Rani today?
- A. 8 years
B. 12 years
C. 10 years
D. 14 years
28. The age of Ali's father is four times of his age. If 5 years ago, the fathers' age was seven times the age of his son at that time, what is Ali's father present age?
- A. 40 years
B. 50 years
C. 45 years
D. 55 years
29. A rectangular box with a square base contains 6 cubic feet. If the height of the box is 18 inches, how many feet are there in each side of the base?
- A. 1
B. 2
C. 3
D. 4

30. In the figure, PSQ is a straight line and RS is perpendicular to ST. if angle RSQ = 48° , how many degrees are there in angle PST?



- A. 48
- B. 132
- C. 90
- D. 138

31. 1, 3, 4, 5, 11. From the list of numbers, two different numbers will be chosen. Of the following, which could be the average (arithmetic mean) of the two numbers?

- I. 3
- II. 4
- III. 6

- A. I only
- B. I and II only
- C. II only
- D. All

32. Which of the following statements must be true concerning the result obtained by squaring a positive fraction that is less than 1?

- A. It is less than the original fraction.
- B. It is less than 0.
- C. It is greater than the original fraction
- D. It is greater than 1.

33. If $2x + y = 5$, what is the value of $4x + 2y$?

- A. 5
- B. 8
- C. 10
- D. 15

34. Which of the following CANNOT be the average (arithmetic mean) of four positive even integers?

- A. 1
- B. 2

- C. 6
D. 9
35. If p is r more than twice s , what is r in terms of p and s ?
- A. $p + \frac{1}{2}s$
B. $p + 2s$
C. $p - 2s$
D. $p - \frac{1}{2}s$
36. If $\frac{2x}{x} + \frac{1}{x} = 4$, then $x =$
- A. $-\frac{1}{8}$
B. $\frac{1}{8}$
C. $\frac{1}{2}$
D. $\frac{3}{2}$
37. If k is an integer and $r = k^2 + 3k + 9$, which of the following statements about r must be true for all values of k ?
- A. r is even
B. r is divided by 3
C. r is the square of an integer
D. None
38. If $2p + 5 = 20$, then $2p - 5 =$
- A. 0
B. 5
C. 10
D. 15
39. If $y - x = 5$ and $2y + z = 11$, what is the value of $x + y + z$?
- A. 3

- B. 6
 C. 8
 D. 16
40. Don intended to place a mark $2\frac{1}{4}$ inches from one end of a narrow rod $9\frac{1}{4}$ inches long, but he mistakenly placed the mark $2\frac{1}{2}$ inches from the other end. How far, in inches, is his mark from the location where he intended to place it?
- A. $4\frac{1}{2}$
 B. $4\frac{3}{4}$
 C. $5\frac{3}{4}$
 D. $5\frac{1}{4}$

Section 2 Verbal

Sentence Completion

41. He was profoundly and physically _____ her.
- A. infatuated to
 B. infatuated from
 C. infatuated with
 D. infatuated after
42. The whole class was _____ the teacher's enthusiasm for the subject.
- A. infected with
 B. infected from
 C. infected to
 D. infected in
43. It is reassuring to have friends _____ you when you are ill.
- A. enquire from
 B. enquire for
 C. enquire in
 D. enquire after
44. An attractive feature of the course was the way the practical work had been _____ the theoretical aspects.
- A. integrated with

- B. integrated into
C. integrated in
D. integrated to
45. Nothing must be allowed to _____ our search for the truth
A. interfere with
B. interfere from
C. interfere into
D. interfere upon
46. If a universal language rally existed, people like tourists and businessmen would find it easier to _____ with foreigners.
A. transact
B. deal
C. communicate
D. exchange
47. On account of his humiliating defeat in the recent elections, he appeared unusually _____ when I called on him the other day.
A. oppressed
B. depressed
C. repressed
D. suppressed
48. You need _____ shoes for walking in the hills.
A. good
B. satisfactory
C. comfortable
D. sturdy
49. Amongst the two brothers, Sameer being worthier often _____ the younger Deepak.
A. dominates
B. subdues
C. eclipses

- D. overshadows
50. As the war dragged on, with increased casualties and few signs of _____, morale among the soldiers _____.
- A. victory. . stabilized
B. progress. . plummeted
C. concern. . collapsed
D. hope. . improved
51. In classical literature, love was depicted not as an ennobling passion but as an unfortunate _____ that disabled the judgment, almost a kind of _____.
- A. condition . . virtue
B. sickness . retribution
C. emotion. . crime
D. malady. . insanity

Analogies

52. THROAT : SWALLOW
- A. Teeth : Chew
B. Nose : Color
C. Eyelid : Wink
D. Mouth : Sound
53. GARNET : RED
- A. Pearl : Round
B. Diamond : Sparkle
C. Silver : Gold
D. Emerald : Green
54. FULL : OVERFLOWING
- A. Quick : Slow
B. Right : Wrong
C. Low : Empty

55. D. Appetite : Hunger
TRAVEL : JOURNEY
A. Trip : Stumble
B. Crawl : Run
C. Car : Plane
D. Walk : Hike
56. QUICK : QUICKER
A. Fast : Lightening
B. Good : Better
C. Swift : Speedily
D. Drag : Dig
57. NOSE : AIR
A. Hand : Glove
B. Foot : Shoe
C. Ear : Sound
D. Fist : Fight
58. WHEAT : GRAIN
A. Cow : Beef
B. Orange : Line
C. Carrot : Vegetable
D. Coconut : Palm
59. COTTAGE : CASTLE
A. House : Apartment
B. Puppy : Dog
C. Dory : Liner
D. Man : Family
60. OLD : ANTIQUE
A. New : Modern

- B. Cheap : Expensive
C. Useless : Useful
D. Wanted : Needed

61. TIME : MINUTES

- A. Month : Calendar
B. Clock : Faces
C. Race : Laps
D. Yard : Square

Antonyms

62. AMALGAMATE
A. Repress
B. Equip
C. Separate
D. Generate
63. AMELIORATE:
A. Make worse
B. Make young
C. Make able
D. Make sure
64. AGREE
A. Review
B. Disagree
C. Approval
D. Refuse
65. AMBIGUOUS
A. Auxiliary
B. Corresponding
C. Clear
D. Responsible

66. ACCUSATION

- A. Excuse
- B. Awe
- C. Defense
- D. Angle

67. ADVOCATE

- A. Oppose
- B. Discern
- C. Remove
- D. Inspect

68. ABILITY

- A. Incompetence
- B. Power
- C. Ribald
- D. Incapability

69. ATTRACTION

- A. Enlist
- B. Opera
- C. Repulsion
- D. Beautify

70. AMPLIFY

- A. Covet
- B. Require
- C. Simplify
- D. Announce

71. ADULATION

- A. Criticism
- B. Purity
- C. Defense

D. Brightness

Reading Comprehension

Directions: Questions. 46-54 Read the following passage carefully and answer the questions given below it. Certain words are given in *italic* to help you to locate them while answering some of the questions.

Passage

Though the U. S prides itself on being a leader in the world community, a recent report shows that it lags far behind other industrialized countries in meeting the needs of its youngest and most vulnerable citizens. The U. S. has a higher infant mortality rate, a higher proportion of low birth weight babies, a smaller proportion of babies immunized against childhood diseases and a much higher rate of adolescent pregnancies. These findings, described as a “quiet crisis” requiring immediate and far reaching action, appeared in a report prepared by a task force of educators, doctors, politicians and business people. According to the report, a fourth of the nation’s 12 million infants and toddlers live in poverty. As many as half confront risk factors that could harm their ability to develop intellectually, physically and socially. Child immunizations are too low, more children are born into poverty, more are in substandard care while their parent’s work and more are being raised by single parents. When taken together, these and other risk factors can lead to educational and health problems that are much harder and more costly to reverse. The crisis begins in the womb with unplanned parenthood. Women with unplanned pregnancies are less likely to seek pre-natal care. In crisis begins in the womb with unplanned parenthood. Women with unplanned pregnancies are less likely to seek pre-natal care. In the U. S. 80% teenage pregnancies and 56% of all pregnancies are unplanned. The problems continue after birth where unplanned pregnancies and unstable partnerships often go hand in hand. Since 1950, the number of single parent families has nearly tripled. More than 25 per cent of all births today are to unmarried mothers,. As the number of single parent families grows and more women enter the work force, infants and toddlers are increasingly in the care of people other than their parents. More disturbingly, recent statistics show that American parents are increasingly neglecting or abusing their children. In only four years from 1987-91, the number of children in foster care increased by over 50 per cent. Babies under the age of one are the fastest growing category of children entering foster care. The crisis affects children under the age of three most severely, the report says. Yet, it is this period from infancy through pre-school years that sets the stage for a child’s future.

72. Which of the following statements is not true in the context of the passage?
- A. Only 20 per cent of all the pregnancies in the U. S. are planned
 - B. The number of children in the U. S entering foster care has decreased after 1991
 - C. In the U.S. the number of infants living in poverty is about 3 million
 - D. The number of single parent families today is approximately three times that of four decades ago
73. Which of the following does not constitute the “quiet crisis” in the U.S. as per the task force report?

- A. Higher incidence of adolescent girls becoming mothers
- B. Increasing cases of teenage couples getting divorced
- C. Larger proportion of babies who are deprived of immunization
- D. Lower proportion of newborn babies with normal weight
74. The number of children born to married mothers in the U.S. is approximately how many times the number of children born to unwed mothers?
- A. 3.5 times
- B. 2 times
- C. 3 times
- D. 1.5 times
75. Read the following factors A, B and C and decide with one or two of them is/are responsible for the physical, intellectual and social under development of infants in the U.S?
- A) Illiteracy of parents
- B) Lack of parental care
- C) Poverty
- A. Only A
- B. Only C
- C. Only B
- D. Both A and C
76. An increasing number of infants in the U.S. are in foster care on account of
- A. An increasing number of women maintaining the status of unwed motherhood and becoming economically independent
- B. An increasing number of employed couples who are required to stay apart
- C. An increasing number of parents who lack awareness about baby care
- D. An increasing number of single parent families with the female member working
77. The task force report seems to be based on the data pertaining to the period
- A. 1987 to 1991
- B. 1987 onwards till date
- C. 1991 onwards till date
- D. 1950 to 1991
78. Children born out of unplanned pregnancies are highly vulnerable because.

- A. Their parents are mostly poor
 - B. They are mostly malnourished
 - C. Their parents are emotionally immature
 - D. They are less likely to receive prenatal care
79. Children falling in which age group are most severely affected by the “quiet crisis”?
- A. Below 3 years
 - B. Below 1 year
 - C. Between 2 and 3 years
 - D. None of these
80. The main focus of the passage is on the plight of
- A. Unwed mothers
 - B. Teenage mothers
 - C. None of these
 - D. Low birth weight babies

Section 3 Intelligence and GK

81. Mars, Jupiter, Challenger, Mercury
- A. Mars
 - B. Jupiter
 - C. Challenger
 - D. Mercury
82. Different, Separate, Distinct, Similar
- A. Different
 - B. Separate
 - C. Distinct
 - D. Similar
83. BD, FG, CE, DF
- A. BD
 - B. FG

- C. CE
D. DF
84. N-30, D-29, M-31, S-30
A. N-30
B. D-29
C. M-31
D. S-30
85. $6/216$, $4/64$, $8/516$, $9/729$
A. $6/216$
B. $4/64$
C. $8/516$
D. $9/729$
86. Kunal walks 10 km towards North. From there he walks 6 Km towards South. Then, he walks 3 Km towards east. How far and in which direction is he with reference to his starting point?
A. 5 Km North
B. 5 Km South
C. 5 Km East
D. 5 Km North-East
87. Gaurav walks 20 meters towards North. He then turns left and walks 40 meters. He again turns left and walks 20 meters. Further, he moves 20 meters after turning to the right. How far is he from his original position?
A. 40 meters
B. 50 meters
C. 60 meters
D. 70 meters
88. A dog runs 20 meter towards East and turns Right, runs 10 meter and turns to right, runs 9 meter and again turns to left, runs 5 meter and then turns to left, runs 12 meter and finally turns to left and runs 6 meter. Now which direction dog is facing?
A. East
B. North

- C. West
D. South
89. In a certain case EXPLAINING is written as PXEALNIGNI. How is PRODUCED written in that code?
A. ORPBUDEC
B. ROPUDECD
C. ORPUDECD
D. None of above
90. If in a certain language MADRAS is coded as NBESBT, how is BOMBAY coded in that language?
A. CPNCBX
B. CPNCPZ
C. CPOCBZ
D. CQOCBZ
91. If FISH is written as EHRG in a certain code, how would JUNGLE is written in that code?
A. ITMFKD
B. ITNFKD
C. KVOHMF
D. TIMFKD
92. In a certain code, TWINKLE is written as SVHOJKD, then how would FILTERS be written in the same code?
A. EHKSDQR
B. EHKUDQR
C. EGKUDQR
D. GJMSFSR
93. In a certain code, ROAD is written as URDG. How is SWAN written in that code?
A. VXDQ
B. VZDQ
C. VZCP
D. UXDQ
94. A steep, nearly vertical section of a riverbank is called

- A. Bluff
B. Bog
C. Cataract
D. Bore
95. What is Basin?
A. High area of land
B. Deep area of river
C. Low area of land
D. Deep area of ocean
96. What is called shimmering display of shifting colored lights?
A. Spectrum
B. Aurora
C. Splinter
D. None of these
97. Straight waterway for navigation, irrigation or drainage is known as
A. Canal
B. River
C. Lake
D. Strait
98. What is called the land that borders the sea?
A. Coast
B. Coastal
C. Coastline
D. All of these
99. What is called a creek a small, sheltered bay of an ocean or a lake?
A. Continental bay
B. Cove
C. Coral beef

- D. Creek
100. Which element made Alluvial soil?
- A. Mud
- B. Silt
- C. Sand
- D. All of these

Downloaded More Sample Papers from: www.entrytest.com

For Online Test Preparation: www.thecatonline.com

END OF TEST

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

Career Channel News: www.entrytest.com/rss/default.aspx(Meets your all Educational Needs)

For Answers: 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