



Trinity Entrance Test 2015

+2 Management & Humanities

Sample

Time: 1 hr 30 mins

Full Marks: 100

Welcome to the Trinity Entrance Test 2015!

This Test assesses a student's competency to undertake a +2 Programme in **Management & Humanities**. It contains 100 multiple choice questions –English (40), Mathematics (40), and General Knowledge (20).

Please **FOLLOW** the **DIRECTIONS** below:

1. Write your **Name** and **Exam Entry Card number** clearly in the space given in the **Answer Sheet**.
2. During the Test, **do not leave your seat** unless it is necessary for which you would have to take the permission.
3. Please maintain **complete silence** in the examination hall.
4. Do **not** use **calculators**.
5. Questions are self-explanatory. Further **clarification** will **not** be entertained.
6. Do **not write** anything on the **Test Paper**. Use scrap paper provided for **rough work**.
7. **Read the questions carefully**. **Mark your choice** on the answer sheet as shown below in the example:-

Example: A letter is chosen randomly from 'ENTRANCE'. What is the probability of not getting N?

- A. $\frac{3}{4}$ B. $\frac{1}{4}$ C. $\frac{1}{2}$ D. 1

The answer is $\frac{3}{4}$; so, on your answer sheet use a cross mark for the correct answer as shown below:

A	B	C	D
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. In multiple choice questions, choose the best option marking it carefully. More than one answer to a question or cancellation by over-writing or smudging of answer choices shall entail loss of marks for that question.
9. At the end of the Test, do not leave your seat or the hall until your **test papers** (Question Papers and Answer Sheet) are collected by the Invigilator.

1. The old man died.....tuberculosis.
A. From
C. for
B. in
D. of
2. I put on warm clothes so that I might not.....cold.
A. attack
C. keep
B. catch
D. affect
3. The climate of politics in Nepal is.....
A. Volatile
C. voluminous
B. voluble
D. vulnerable
4.we find her address, we will write to her.
A. If
C. Whether
B. Had
D. So that
5. The investigation officers went.....several files after raiding the place.
A. into
C. through
B. between
D. for
6. One of.....missed the test.
A. the student
C. students'
B. student
D. the students
7. We are flying to Mumbai and.....
A. so they are
C. so are they
B. so will they
D. so will they
8. The government has changed its.....plan.
A. Five year
C. five-year
B. five years
D. five-years
9. Children will make you.....
A. the busiest
C. busy
B. the most busy
D. busier
10. She insisted.....
A. to pay
C. for paying
B. on paying
D. by paying
11. No sooner had they left.....it started to rain.
A. then
C. when
B. while
D. than
12. By 2020 Sunny.....B.Sc. Nursing.
A. will complete
C. has completed
B. might complete
D. will have completed
13. She said, "Good-bye, my friends." It means:
A. She told her friends good-bye.
C. She shouted good-bye to her friends.
B. She good-bye her friends.
D. She bade good-bye to her friends.
14. He has had his sister.....the assignment for him.
A. to read
C. read
B. to have read
D. having read
15. Wait here.....
A. while I come back
C. until I come back
B. when I come back
D. unless I come back
16. One who hates mankind is:
A. Misogynist
C. polyandrous
B. misogamist
D. misanthrope

17. I'd rather go by a taxi,?
A. didn't I
C. wouldn't I
B. hadn't I
D. would I
18. There is no difference.....the two contracts.
A. about
C. between
B. at
D. with
19. Don't cry.....the spilt milk.
A. on
C. with
B. in
D. over
20. The food that agrees to one's taste is:
A. pungent
C. sensuous
B. palatable
D. edible
21. The act of cleansing is called:
A. burning
C. floating
B. demanding
D. catharsis
22. The act of talking to oneself aloud is called:
A. monologue
C. dialogue
B. epilogue
D. soliloquy
23. Your experience counts.....nothing in this job.
A. upon
C. for
B. of
D. to
24. It has been raining.....this morning.
A. from
C. since
B. till
D. for
25. Correct feminine gender of BACHELOR is:
A. maiden
C. baby
B. lady
D. spinster
26. I will attend the party if you invite me. In other words, I will attend the party.....
A. Unless you invite me
C. in case you invite me
B. till you invite me
D. lest you invite me
27. You will *get into hot water* if you commit the same mistake again. The meaning of italicized phrase is:
A. be in a fix
C. suffer
B. be in trouble
D. incur loss
28. Manishi is.....obedient student.
A. a
C. the
B. an
D. none
29.I open the present for you?
A. Must
C. Would
B. Shall
D. Going to
30. You'd better.....here.
A. to stay
C. staying
B. stay
D. stayed
31. He.....that he could speak five languages.
A. suggested
C. challenged
B. submitted
D. boasted

In the following passage numbered blank spaces (32 to 40) are given. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given.

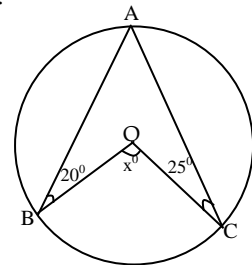
In life there are no (32).....without pains. Life indeed would be (33).....if there (34).....no difficulties. Games lose their (35).....if there is no real (36)....., if the result is a (37).....conclusion. Both (38).....and loser enjoy a game most if it is closely (39).....to the last. No victory is a real triumph unless the foe is worthy of the contest. Whether we like it or not, life is one (40).....competitive examination.

32. A. earning
C. gains
33. A. dull
C. colorless
34. A. is
C. was
35. A. zest
C. charm
36. A. fight
C. struggle
37. A. known
C. expected
38. A. victor
C. winner
39. A. fought
C. watched
40. A. regular
C. continual
- B. profit
D. reliefs
B. stale
D. cheerful
B. are
D. were
B. enthusiasm
D. attraction
B. contest
D. obstacle
B. foregone
D. predictable
B. victorious
D. gainer
B. contested
D. balanced
B. continuous
D. severe
41. If a is an odd number and b is an even number. Which of the following cannot be an integer?
A. $\frac{a}{b}$
C. ab
B. $\frac{b}{a}$
D. $a - b$
42. If $\frac{2}{3}$ of the workers in an office are non-smokers, what is the ratio of smoker to non-smokers?
A. 2:3
C. 1:2
B. 2:5
D. 3:5
43. If $(a * b) = \frac{b(a + b)}{2}$, what is the value of $(2 * 4)$?
A. 3
C. 6
B. 4
D. 12
44. The market price of an article is 20% above the cost price and selling price is 10% below the marked price. What is the profit percent?
A. 9%
C. 8%
B. 20%
D. 10%
45. If $3^a \cdot 3^b = \frac{3^c}{3^d}$, what is the expression for d in terms of a , b and c ?
A. $\frac{c}{ab}$
C. $a + b - c$
B. $c - a - b$
D. $a + b + c$
46. On a test consisting 80 questions, Anupama answered 75% of the first 60 questions correctly. What percent of the other 20 questions did she need to answer correctly for her grade on the entire exam to be 80%?
A. 85%
C. 87.5%
B. 90%
D. 95%

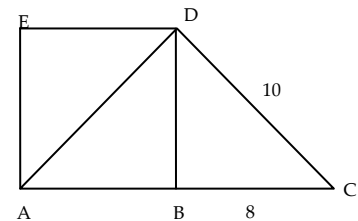
47. The difference between simple and compound interest in a certain sum in two years at 15% per annum is Rs. 144. The sum is
A. Rs. 6000
B. Rs. 6200
C. Rs. 6400
D. Rs. 6500
48. The number of student in a constituent campus and a affiliated campus in bachelor level is at the ratio of 3:5. If 20 students are increased in each campuses at the same level, the ratio changed to 5:7. The total number of student in the two campuses before the increase was
A. 72
B. 80
C. 96
D. 100
49. One-third of a number is 20 more than one fifth of that number, what is the number?
A. 30
B. 84
C. 102
D. 150
50. A tourist bus travel for 3 hrs at 40 miles per hours and then covers a distance of 80 miles in two hours and 40 minutes. What was his average speed in entire trip?
A. 35 mph
B. 35.3 mph
C. 35.5 mph
D. 36 mph
51. Four workers together can plough the field in 12 hours. How long will it take 6 workers to plough the field of the same size, if all of them work at the same rate?
A. 6 hours
B. 8 hours
C. 10 hours
D. 12 hours
52. The arithmetic mean of x and y is 10 and their geometric mean is 8. What is the value of x and y?
A. 16, 4
B. 15, 5
C. 14, 6
D. 12, 8
53. Selling price of four articles equals to cost price of 5 articles. What will be the gain?
A. 20%
B. 25%
C. 28%
D. 80%
54. The average of 8 numbers is 6, the average of 6 other number is 8. What is the average of all 14 numbers?
A. $5\frac{5}{7}$
B. $4\frac{8}{7}$
C. $7\frac{2}{7}$
D. $8\frac{1}{7}$
55. If the length of a rectangle is increased, by 20% and the width of the same rectangle decreased by 20%, then the area of rectangle is
A. decreased by 20%
B. decreased by 4%
C. increased by 20%
D. increased by 4%
56. Two successive discounts of 20% and 15% is equivalent to a single discount of
A. 18%
B. 24%
C. 32%
D. 36%
57. If the angle of a triangle is at the ratio of 2:3:4 then the greatest angle of the triangle is
A. 70
B. 80
C. 90
D. 100
58. In the series 3, 7, 12, 18, 25, the 9th term is
A. 50
B. 63
C. 75
D. 86
59. In a city 8% of the people are eligible to vote are between 18 and 21, in an election 85% of those eligible to vote were between 18 and 21 actually voted. In that election, people between 18 and 21 who are actually voted were what percent of those people eligible to vote?
A. 4.2
B. 6.4%
C. 6.8%
D. 8%

60. If there are 15 boys and 25 girls in a class, what percent of the class is boys?
 A. 10% B. 15%
 C. 25% D. 37.5%
61. If $y^2 - 3y + 1 = 0$ then $\left(y - \frac{1}{y}\right)^2 = \dots$
 A. 10 B. 7
 C. 5 D. 2
62. If $x = 2$ and $y = -3$, then $y^2 - \left(x - \left[y + \frac{1}{2}\right]\right) - 6 = \dots$
 A. $-\frac{39}{2}$ B. $-\frac{3}{2}$
 C. 0 D. 31
63. If $r^2 = 2rs + s^2 = 4$, then $(r - s)^6 = \dots$
 A. -4 B. 4
 C. 16 D. 64
64. If $x + y = 10$ and $x - y = 5$, then $x^2 - y^2 = \dots$
 A. 50 B. 60
 C. 75 D. 80
65. $\left(\frac{(x^2y^3)z}{xyz}\right)^3 = \dots$
 A. x^8y^5 B. xy^6
 C. $x^{15}y^6$ D. $x^{15}y^6$
66. If w widgets cost d dollars, then at this rate how many dollars will 2000 widgets cost?
 A. $\frac{wd}{2000}$ B. $\frac{2000w}{d}$
 C. $\frac{2000d}{w}$ D. $\frac{d}{2000w}$
67. If $a + 3a$ is 4 less than $b + 3b$, then $a - b = \dots$
 A. -4 B. -1
 C. $\frac{1}{5}$ D. $\frac{1}{3}$
68. If $2 < x < 5$ and $3 < y < 5$, which of the following best describe $x - y$?
 A. $-3 < x - y < 2$ B. $-3 < x - y < 5$
 C. $0 < x - y < 2$ D. $3 < x - y < 5$
69. In the standard co-ordinate system, which of the following points is the greatest distance from origin?
 A. (-4, -1) B. (-3, 3)
 C. (4, 0) D. (2, 3)
70. A person travels 16 miles due north and then 12 miles due east. How far is the person from his initial position?
 A. 4 miles B. 8 miles
 C. 14 miles D. 20 miles
71. If the sum of two prime numbers x and y is odd, then the product of x and y must be divisible by
 A. 2 B. 3
 C. 4 D. 5
72. A die is rolled, what is the probability of getting a prime number?
 A. $\frac{1}{3}$ B. $\frac{1}{6}$
 C. $\frac{1}{4}$ D. $\frac{1}{2}$

73. Tickets are numbered from 1 to 10. A ticket is taken at random then what will be the probability that the selected ticket has a prime number or an even number?
- A. $\frac{9}{10}$ B. $\frac{4}{5}$
C. $\frac{1}{2}$ D. $\frac{3}{5}$
74. A garrison of 120 men has provision for 24 weeks at the rate of 350 gms per day per man, how many men must leave so that the provision may last for 30 weeks at 320 gms per day per man?
- A. 30 B. 20
C. 25 D. 15
75. A machine bought at Rs. 400,000 is assumed to be depreciated at 15% p.a., what will be its value after 3 years.
- A. Rs. 245650 B. 240000
C. Rs. 325290 D. 220000
76. If $a:b = 3:5$ and $a:c = 5:7$, what is the value of $b:c$?
- A. 3:7 B. 21:35
C. 25:21 D. 25:22
77. 4 years ago the age of mother is five times the age of the son, in two years hence mother is 6 years more than double of son's age. What is the present age of son and mother?
- A. 8 and 24 B. 6 and 31
C. 2 and 22 D. 8 and 40
78. If $x - 1$, $x + 5$, $2x + 1$ and $3x + 1$ and in ascending order their median is 18, what is the value of x ?
- A. 10 B. 20
C. 15 D. 25
79. In the adjoining figure, O is the center of the circle then, what will be the value of x ?
- A. 90° B. 45°
C. 135° D. 75°



80. In the figure alongside, side AB of a square ABDE is extended to C. If $BC = 8$ and $CD = 10$, what is perimeter of $\triangle ACD$?
- A. $18 + 6\sqrt{2}$ B. $24 + 6\sqrt{2}$
C. $26 + 6\sqrt{2}$ D. 30



81. Which is the Capital Saudi Arabia?
- A. Yamen B. Dubai
C. Riyadh D. Dakar
82. What land area of Nepal is occupied by the Terai region?
- A. 27% B. 28%
C. 42% D. 17%
83. Which insects is known as social insects?
- A. Ants B. Grasshopper
C. Bees D. Spider
84. Which planet is known as green planet?
- A. Saturn B. Pluto
C. Mars D. Uranus

85. Which is the oldest industry of Nepal?
A. Biratnagar Rice Mill
B. Biratnagar Sugar Mill
C. Hetauda Jute Mill
D. Biratnagar Jute Mill
86. Which is the shortest day of the year?
A. 23rd July
B. 1st April
C. 22nd December
D. 29th December
87. Which country produces largest quantity of wool in the world?
A. India
B. Australia
C. China
D. Nepal
88. What are the water soluble Vitamins?
A. A,B
B. B,C
C. C,D
D. B,D
89. The World Environment Day is celebrated on?
A. March 6th
B. April 5th
C. June 5th
D. March 5th
90. What is the Full Form of ATM?
A. Any Time Money
B. Automated Teller Machine
C. Automatic Teller Machine
D. Amounted Teller Machine
91. How many district of Nepal fall under the Terai region?
A. 15
B. 25
C. 20
D. 17
92. Which country has more number of islands?
A. Indonesia
B. Japan
C. Maldives
D. Bhutan
93. The Nick name of Japan is
A. Neron
B. Nippon
C. Chi-yun
D. Tokyo
94. The largest country of the world by geographical area is
A. USA
B. China
C. Australia
D. Russia
95. The Great Victoria Desert is located in
A. Egypt
B. Australia
C. Parsia
D. South Africa
96. How many player are there in Kabbadi Team?
A. 5
B. 6
C. 7
D. None of above
97. Which plants has flowers but no proper leaves?
A. Lotus
B. Sun Flower
C. Pensy
D. Cactus
98. How long is a kangaroo baby, when it is born?
A. 1 inch
B. 1.5 inch
C. 2 inch
D. 5 inch
99. Who is the last King of Bhaktapur?
A. Pratap Malla
B. Guna Kamdev
C. Ranajit Malla
D. Bhupetindra Malla
100. Which soft drink is consumed in large quantity in the world after water?
A. Coca Cola
B. Tea
C. Beer
D. Coffee