Trinity Entrance Test 2019
Management & Humanities
Set A

Time: 1.5 hrs
Full Marks: 100

Welcome to the Trinity Entrance Test 2019!

ABOUT THE TEST

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

DIRECTIONS:

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 student divided a number by 2/3 when he was required to multiply it by 3/2.
    Calculate the percentage of error in his result.
    A) 100   B) 0   C) 66   D) 33
    The answer is '0'; so, on your answer sheet use a cross mark for the correct answer as shown below:

    A   B   C   D
    ☐   ⊠   ☐   ☐

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.   Serene is fond………music.

    A. of   B. off   C. in   D. about

2.   Honesty is always………best policy.

    A. a   B. an   C. the   D. some

3.   A person who readily believes others is:

    A. Credible   B. credulous   C. sensible   D. sensitive

4.   He is the friend………I trust most.

    A. Who   B. whom   C. which   D. him

5.   The prices are going up by **leaps and bounds**. The meaning of idiom in bold type is:

    A. Irregularly   B. gradually   C. rapidly   D. systematically

6.   Julia prefers tea………..coffee.

    A. over   B. too   C. to   D. than

7.   If a ruby is heated, it…….temporarily lose its color.

    A. would   B. will   C. does   D. has

8.   You have done well,………..?

    A. don't you   B. has it you   C. do you   D. haven't you

9.   Past participle form of 'fly' is:

    A. flyed   B. flew   C. flown   D. flaid

10.   Would you mind………….your car?

    A. move   B. moving   C. to move   D. me moving

11.   ………….his hard work, he failed his exam.

    A. Although   B. Though   C. Despite of   D. In spite of

12.   Look before you………..

    A. leap   B. talk   C. sing   D. dance

13.   My brother-in-law is………….university professor.

    A. a   B. an   C. the   D. some

14.   The word which gives same meaning to CANDID is:

    A. truthful   B. deceptive   C. cunning   D. rude

15.   If Anna ……….some money, she would go to the movies.

    A. were have   B. would have   C. had had   D. had

16.   Don't shout at Alia. She's very…………

    A. sensible   B. suave   C. sensitive   D. shrewd

17. Nobody knows what happens tomorrow, ……….?

    A. doesn't they   B. don't they   C. do they   D. does they

18. He has been working in this office……..seven years.

    A. From   B. since   C. for   D. until

19. They were talking………….themselves.

    A. between   B. among   C. to   D. along with

20. Speak loudly as he is slow…….hearing.

    A. at   B. in   C. about   D. of

21. Two women had…………handbags stolen while they were watching the film.

    A. its   B. their   C. her   D. his

22. ………..doctor must be in………next room.

    A. a, the   B. a, a   C. the, the   D. the, a

23. The active voice of the sentence "It is to be done by me." is:

    A. I will do it.   B. I shall do it.   C. I am to do it.   D. I had to do it.

24. The dead body of a human being is called:

    A. pure   B. corpse   C. carcass   D. rayon

25. They'd go with us,…………..?

    A. won't they   B. hadn't they   C. wouldn't they   D. would they

26. He is………one-eyed man.

    A. an   B. the   C. a   D. some

27. If she tells the truth, she…………be forgiven.

    A. will   B. shall   C. would   D. would

28. I am looking handsome today,…………..?

    A. am not I   B. amn't I   C. aren't I   D. isn't I

29. You'd better…….there.

    A. gone   B. go   C. to go   D. going

30. People asked him if he…………us.

    A. will help   B. help   C. would help   D. is helping

31. He is both intelligent………artistic.

    A. and also   B. as well as   C. and   D. besides

32. Mr. Smith is a……….

    A. physics teacher   B. a teacher of physic's   C. teacher of physic   D. physic's teacher

33. She has a lot of confidence……....me.

    A. for   B. at   C. about   D. in

34. One who keeps oneself away from alcoholic drinks is called:

    A. kleptomaniac   B. drunkard   C. sober   D. teetotaler

35. Is your book………….

    A. same to mine   B. the same to mine   C. same as mine   D. the same as mine

Questions 36 – 40 are based on the following passage:

Is it possible to induce mankind toile without war? War is an ancient institution, which has existed for at least six thousand years. It was always wicked and usually foolish, but in the past the human race managed to lie with it. Modern ingenuity has changed this. Either man will abolish war or war will abolish man. For the present, it is nuclear weapons that cause the gravest danger, but bacteriological or chemical weapons may, before long, offer an even greater threat. Even if we secure the abolition of nuclear weapons, our work will not be done. It will never be done until we have secured the abolition of war. To secure this, we need to persuade mankind to look upon international questions in a new way, not as contests of force, in which the victory goes to the side which is most skillful in massacre, but by arbitration in accordance with agreed principles of law. It is not easy to change age-log mental habits, but this is what must be attempted.

36. The main purpose of this passage is to:

    A. discuss how war can be abolished

    B. discuss if war is an institution

    C. discuss how dangerous bacteriological or chemical weapon war can be

    D. prove how difficult it is to fight in a war

37. War has existed

    A. since the beginning of humankind   B. for less than six thousand years

    C. for more than six thousand years   D. only for six thousand years

38. Bacteriological or chemical weapons

    A. are less harmful than nuclear weapons

    B. have caused great wars

    C. can be more harmful than nuclear weapons

    D. are to be destroyed

39. The only way to save human beings from great threat to their existence is to:

    A. destroy nuclear weapons

    B. put a ban on bacteriological and chemical weapons

    C. abolish war

    D. fight to the end

40. Our objective to doing away with war can be achieved if we are prepared to:

    A. destroy all dangerous weapons

    B. fight till all our enemies are killed

    C. compete in the contests of force

    D. change our age-old mental habits and to arbitrate in accordance with agreed principles

41. If A and B are two disjoint sets then ($B \cap \overline{A}$) is

    A. $B \cup A$ B. $B - A$ C. B   D. $A - B$

42. If U = {a, e, i, o, u}, A = {a, i, u}, B = {i, o, u} find n($\overline{A}$) + n($\overline{B}$) – n ($\overline{A} \cup \overline{B}$)

    A. 2   B. 0   C. 3   D. 1

43. If 20% of x is equal to $\frac{2}{3}$ of 90, then value of x is

    A. 30   B. 120   C. 600   D. 300

44. The marked price of an article is 25% above its selling price and the cost price is 30% less than its marked price. Find discount percentage.

    A. 15%   B. 20%   C. 25%   D. 30%

45. After levying 13% VAT on selling price of an article, VAT amount becomes Rs. 195. Find the selling price of the article.

    A. Rs. 1500   B. Rs. 1550   C. Rs. 1350   D. Rs. 2000

46. The compound amount of Rs. 4000 for 3 years is Rs. 5500. Find the compound interest.

    A. 2000   B. 1350   C. 1600   D. 1500

47. The present population of a town is 50,000. If the population increases by 10% every year, after how many years the population of town will be 66550?

    A. 3 years   B. 2 years   C. 3.5 years   D. 1 year

48. At what rate a sum of money treble itself after 15 years?

    A. 15%   B. 21%   C. $13\frac{1}{3}$%   D. $12\frac{1}{2}$%

49. The selling price of a watch is Rs. 595. If the watch was sold at 15% discount on the marked price, find the marked price of the watch.

    A. 800   B. 700   C. 600   D. 900

50. A plot of land is in the shape of an equilateral triangle whose area is $324\sqrt{3}$ m². If its compound is to be fenced 3 round by iron wire. Find the length of the wire required for it.

    A. 325 m   B. 323 m   C. 320 m   D. 324 m

51. The curved surface area of a cylinder is $\frac{2}{3}^{rd}$ of its total surface area. If the total surface area is 231 cm² then the radius of the base is

    A. 3.5 cm   B. $\frac{7}{\sqrt{2}}$ cm   C. 4.5 cm   D. 7 cm

52. A solid metallic sphere of radius 7 cm is cut into two equal halves. Find the total surface area of two hemispheres so formed.

    A. 1024 cm²   B. 950 cm²   C. 924 cm²   D. 900 cm²

53. A man gets Rs. 40 for everyday he works, but is fined Rs. 10 for everyday he is absent. If he got Rs. 700 at the end of 30 days. How many days he was absent from the work?

    A. 8   B. 6   C. 12   D. 10

54. The total surface area of right circular cone of slant height 13 cm is $90\pi cm^2$. Find its volume?

    A. $100\pi cm^2$ B. $120\pi cm^2$ C. $150\pi cm^2$ D. $180\pi cm^2$

55. When z is divided by 8 the remainder is 5. What is the remainder when 4z is divided by 8?

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

56. If 3x = 4y, the value of $(x + y)^2 : (x - y)^2$ is

    A. 4   B. 9   C. 49   D. 7

57. If $2a - \dfrac{1}{a} = 5,$ find the value of $4a^2 + \dfrac{1}{a^2}$.

    A. 5   B. 25   C. 16   D. 29

58. If $\dfrac{x - 1}{\sqrt{x} + 1} = 1$, then x = ?

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

59. If a number of 2 digits is divided by sum of digits the quotient is 5. If 9 is added to number digits are reversed then the number is

    A. 54   B. 45   C. 36   D. 63

60. The age of Dilasha is $\dfrac{1}{7}$ of the age of Rihana. If the difference of their ages be 30 years. Find the age of Rihana.

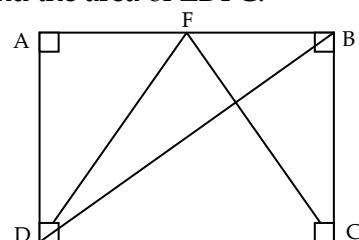   A. 30 years   B. 32 years   C. 36 years   D. 35 years

61. In the given figure ABCD is a parallelogram and CF⊥BE. If BE = 12cm and CF = 8cm. Find the area of parallelogram ABCD.

    A. 96 cm²   B. 86 cm²

    C. 90 cm²   D. 106 cm²
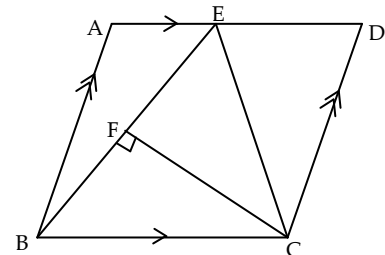
62. In the figure ABCD is a square where diagonal BD = $6\sqrt{2}$ cm. Find the area of ΔDFC.

    A. 36 cm²   B. 36 $\sqrt{2}$ cm²

    C. 18 cm²   D. 24 cm²
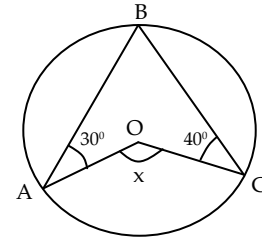
63. In the figure 'O' is the centre of circle. $\angle OPR = 28^0$. Find $\angle PQR$.

   A. 62^0 B. 72^0

   C. 28^0 D. 56^0
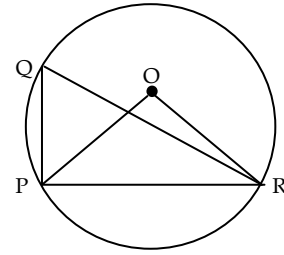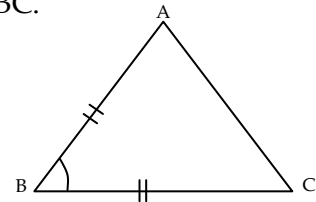
64. In the adjoining figure 'O' is the centre of circle. Find x.

   A. 70^0 B. 100^0

   C. 130^0 D. 140^0

65. In the figure, AB = BC = 10 cm area of $\triangle ABC = 25\sqrt{3}$ cm². Find $\angle ABC$.

   A. 30^0 B. 60^0

   C. 45^0 D. 90^0

66. The upper part of staight tree is broken by the wind such that its top touches the ground and makes an angle of 45^0 with the ground at a point 7m from the foot of the tree. Find the height of tree before it was broken.

   A. 16m   B. $7(1+\sqrt{2})$m   C. $7(1-\sqrt{2})$m   D. 14m

67. In a continuous series if $\sum f = 30 + 2p$, $\sum fx = 100p + 280$ and $\overline{X} = 40$. Calculate the value of p.

   A. 46   B. 56   C. 36   D. 26

68. Which of the given relation is correctly written?

   A. Mean = 3 Median – 2 Mode   B. Mode = 3 Median – 2 Mean

   C. Median = 2 Mean – 3 Mode   D. 2 Mode = 3 Median – 2 Mean

69. If three coins are tossed. What is the probability of getting at least one head?

   A. $\dfrac{1}{2}$ B. $\dfrac{5}{8}$ C. $\dfrac{1}{8}$ D. $\dfrac{7}{8}$

70. The probability of solving a mathematical problem by A is $\dfrac{1}{2}$ and B is $\dfrac{3}{4}$. If problem is given both of them, what is the probability of solving the problem?

   A. $\dfrac{7}{8}$ B. $\dfrac{5}{7}$ C. $\dfrac{3}{4}$ D. $\dfrac{1}{2}$

71. The intercept of the line $y = \sqrt{3}x - 4$ on y-axis is

   A. 4   B. –4   C. $\sqrt{3}$ D. 3

72. If $f(x) = \dfrac{4x-3}{1+7x}$ the value of f(-1/7) is

   A. 0   B. 1   C. ∞ D. -1

73. If a:b = 3:5 and a:c = 5:7 what is the value of b:c?

    A. 3:7   B. 21:35   C. 21:25   D. 25:21

74. If x + y = 6, y + z = 7 and z + x = 9 what is the average of x, y, z?

    A. $\dfrac{11}{3}$ B. $\dfrac{11}{2}$ C. $\dfrac{22}{3}$ D. 11

75. Find the fourth proportion to 6, 18 and 5.

    A. 18   B. 6   C. 5   D. None

76. If x = 2y = 3z then x:y:z = ………

    A. 1 : 2 : 3   B. 6 : 4 : 3   C. 6 : 3 : 2   D. 3 : 2 : 1

77. In a mixture of 45 ltr. The ratio of milk and water is 4:1. What quantity of water should to add so that the mixture would be in the ratio of 3:2?

    A. 10 ltr.   B. 15 ltr.   C. 20 ltr.   D. 12 ltr.

78. If a – b = 10, $a^2 – b^2 = 20$, what is the value of b?

    A. –6   B. –4   C. 4   D. 6

79. If $a + \dfrac{1}{a} = 2$, find the value of $\sqrt{a} + \dfrac{1}{\sqrt{a}}$.

    A. 0   B. 1   C. 2   D. 4

80. If sinθ = cosθ then value of θ will be

    A. $\dfrac{\pi}{3}$ B. $\dfrac{\pi}{4}$ C. $\dfrac{\pi}{6}$ D. $\dfrac{\pi}{2}$

81. Where is the tallest bridge of Nepal?

    A. Parbat   B. Rukum Purba   C. Kaski   D. Bajhang

82. Which of the following is the first FM Radio of Nepal?

    A. Kalika   B. Sagarmatha   C. Kantipur   D. Bagmati

83. *Swar Kinnari* is

    A. Taradevi   B. Anju Panta   C. Kunti Moktan   D. Aruna Lama

84. Who is the director of movie "Caravan"?

    A. Gyanendra Deuja   B. Subash Ghai   C. Éric Valli   D. Eric John

85. East Timor is the country of

    A. Africa   B. Asia   C. America   D. Europe

86. How many students passed S.L.C. exam in 1992 B.S?

    A. 19   B. 20   C. 18   D. 22

87. UNEP is

    A. United Nations Examination Programme

    B. United Nations Elocution Programme

    C. United Nations Extra-Curricular Programme

    D. United Nations Environment Programme

88. Who is the current president of USA?

    A. Bill Clinton   B. Donald Trump   C. Ronald Regon   D. Barrack Obama

89. Who is the writer of *"Dreams from My Father"*?

    A. Barrack Obama   B. Narendra Modi   C. Ricky Ponting   D. Lionnel Messi

90. The currency of Bangladesh is

    A. Kat   B. Dollar   C. Taka   D. Birr

91. Who is the Governer of Nepal Rastra Bank?

    A. Yuba Raj Khatiwada   B. Tilak Rawal

    C. Chiranjibi Nepal   D. Satyandra Pyara Shrestha

92. CEO of Nabil Bank is

    A. Anil Keshari Shah   B. Parshuram Kunwar

    C. Manoj Gyawali   D. Anupama Khungeli

93. Republic Day of Nepal is

    A. Jestha 14   B. Jestha 17   C. Asoj 3   D. Jestha 15

94. Asar 15 is celebrated as

    A. Hilo Diwas   B. Kodo Diwas   C. Dhan Diwas   D. Dahi-Chiura Diwas

95. Which of the following is the basic characteristic of Oligopoly?

    A. a few sellers, one buyer   B. a few sellers, many buyers

    C. a few sellers, few buyers   D. Many sellers, few buyers

96. How many countries participated in CWC-2019?

    A. 8   B. 12   C. 14   D. 10

97. Who is the author of Novel *"Ghanachakkar"*?

    A. Sanjeev Uprety   B. Sanjeev Singh   C. Avi Subedi   D. Laxmi Prasad Devkota

98. Which national figure of Nepal is known as *"Himal ki Chhori"*?

    A. Kunti Moktan   B. Pasang Lhamu Sherpa C. Pasang Diki Sherpa   D. Anuradha Koirala

99. When was industrial census started in Nepal?

    A. 2022 BS   B. 2023 BS   C. 2020 BS   D. 2021 BS

100. Where is the largest cancer hospital of Nepal located?

    A. Kathmandu   B. Chitwan   C. Bhaktapur   D. Dhading

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