

श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकीसंस्थान, तिरुवनंतपुरम्-11
SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY
THIRUVANANTHAPURAM—695 011

ENTRANCE EXAMINATION - ACADEMIC SESSION JULY2018

PROGRAMME: Master of Public Health

Time:90 Minutes

Max.Marks: 100

(Select the most appropriate answer)
(There are no negativemarks for wrong answers)

1. If TEN=3 and SEVEN=5, then FOUR=
 - a. 2
 - b. 3
 - c. 4
 - d. 5
2. A is the only daughter of B's daughter. This means that B is A's _____.
 - a. Grandparent
 - b. Parent
 - c. Sibling
 - d. Cousin
3. After walking 6 kms, I turned right and travelled a distance of 2 kms, then turned left and covered a distance of 10 km. In the end I was moving towards the north. Towards which direction did I start my journey?
 - a. South
 - b. North
 - c. West
 - d. North-East
4. ESI (Employees State Insurance) is a health scheme covering:
 - a. All government employees
 - b. Organized workers
 - c. Casual labourers
 - d. Public sector employees

5. What number should come next in the given series, 77,77, 64,64, 51,51,_____
- 13
 - 38
 - 18
 - 43
6. Study the following statement, and the associated conclusions. Pick the letter denoting the right statement about the conclusions:
- 'Now-a-days, sale of television sets of company X has increased'.
- Conclusions:
- The sale of television sets of other company has decreased.
 - The sale of television sets of company X was nil in the past.
- Only conclusion 1 follows
 - Only conclusion 2 follows
 - Both conclusions 1 and 2 follow
 - Neither conclusion 1 nor 2 follow
7. 6, 11, 21, 36, 56, ? What comes in the place of the question mark?
- 91
 - 51
 - 81
 - 42
8. Find the pair of numbers that does not fit in the sequence
- 16-18
 - 56-63
 - 96-108
 - 86-99
9. The NREGA is implemented by the ministry of
- Health and Family Welfare
 - Labour
 - Rural Development
 - None of the above

10. Because it had not rained for several months, there was a of water.
- shortage
 - drop
 - scarce
 - waste
11. In the question below, is a statement followed by 2 assumptions. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.
- Statement: 'You are hereby appointed as a programmer with a probation period of one year and your performance will be reviewed at the end of the period for confirmation'
- Assumptions: 1. The performance of an individual generally is not known at the time of the appointment offer. 2. Generally an individual tries to prove his worth in the probation period.
- Either I or II is implicit
 - Neither I or II is implicit
 - Both I and II are implicit
 - Only assumption II is implicit
12. In a class of 78 students 41 are taking French, 22 are taking German. Of the students taking French or German, 9 are taking both courses. How many students are not enrolled in either course?
- 6
 - 15
 - 24
 - 32
13. If 10 men can do a piece of work in 20 days, how many days will it take 8 men to do the same job if they work at the same rate?
- 14
 - 16
 - 4
 - 25

14. A boat that travels at 10 kilometers per hour in still water covers 42 kilometers in three hours while going downstream. What is the speed (in kilometers per hour) at which the river is flowing?
- a. 2
 - b. 3
 - c. 4
 - d. 6
15. Factors of production are
- a. Land Labour Man Money
 - b. Man Money Labour Manager
 - c. Land Labour Capital Organisation
 - d. Man Machine Money Material
16. In public health service delivery system, PHC stands for _____.
- a. Public Health Centre
 - b. Primay Health Care
 - c. Primay Health Centre
 - d. Public Health Care
17. Identify the synonym for the given word: paltry
- a. Insignificant
 - b. Unfair
 - c. Average
 - d. Slovenly
18. 30 times A = 50 times B. Hence
- a. $A > B$
 - b. $A < B$
 - c. $A = B$
 - d. $A/B < 1$
19. A normal human cell has _____ chromosomes
- a. 22
 - b. 23
 - c. 46
 - d. 48

20. Ozone layer shields against
- UV rays
 - X rays
 - gamma rays
 - air pollution
21. At CV University, 50% of the students have iPods. 30% of the students with iPods also have microwaves. What percent of the students have both an iPod and a microwave?
- 15%
 - 20%
 - 40%
 - 45%
22. Which one among these is transmitted by mosquito?
- AIDS
 - ZIKA
 - Hepatitis B
 - TB
23. Fill up the blank with the word that best completes the sentence: There areviews on the issue of giving bonus to the employees.
- independent
 - divergent
 - modest
 - adverse
24. The branch of medicine concerned with childbirth is
- Genomics
 - Neonatology
 - Obstetrics
 - Life sciences
25. 'Low birth weight'- LBW- indicates birth weight less than
- 1000 grams
 - 1500 grams
 - 2000 grams
 - 2500 grams

26. Which one is equal to $\sqrt{100}$?
- (100-80)
 - (90-100)
 - (70-80)
 - (80-60)
27. The population of a village is 1500 at present. If it increases by 10% every decade, what is the population after twenty years?
- 1650
 - 1725
 - 1800
 - 1815
28. Find the appropriate meaning for the word Acculturation
- Adding substances deliberately or inadvertently to food or milk
 - Adverse effects arise from unfamiliarity with the healthcare system
 - Adoption and assimilation of the customs, traditions, practices and behaviors of an alien culture
 - Not being cultured
29. The sum of two numbers is 10 and their product is 20. The sum of their reciprocals is -----
- $\frac{1}{4}$
 - $\frac{1}{2}$
 - 1
 - $\frac{3}{2}$
30. The Gross Domestic Product (GDP) of a country is
- Income earned through foreign exchange
 - The number of rupees earned in industry
 - Income earned within a country's boundaries
 - Good received from a nation's local residents
31. The road tax payable for a lorry is in keeping with its weight, as Rs.12.36 per kilo. How much tax is to be paid by a two tone lorry?
- Rs. 24.78
 - Rs.2478.00
 - Rs.1236.00
 - Rs.24720.00

32. If you _____ the car in the afternoon, I will go shopping in the morning.
- a. will need
 - b. needed
 - c. shall need
 - d. need
33. What is 40% of 20%?
- a. 2
 - b. 80%
 - c. 0.08
 - d. 6%
34. $12^2 - 6^2$
- a. $(12+6)(12-6)$
 - b. $12^2 - 2(12)(6) + 6^2$
 - c. $12^2 + 2(12)(6) + 6^2$
 - d. $(12+6)/(12-6)$
35. Which among these lists is in ascending order?
- a. $3/12, 7/8, 17/18, 1/3, 5/7$
 - b. $3/12, 7/8, 17/18, 5/7, 1/3$
 - c. $1/3, 3/12, 7/8, 5/7, 17/18$
 - d. $3/12, 1/3, 5/7, 7/8, 17/18$
36. Which of these is not a main organization of the United Nations?
- a. World Health Organization
 - b. International Monetary Fund
 - c. International Court of Justice
 - d. Economic and Social Council
37. Jenny is afraid of _____
- a. Flying
 - b. Fly
 - c. Flew
 - d. Flown

38. _____ your summer holidays watching TV is a waste of time
- Spend
 - Spent
 - Spending
 - Spended
39. If he doesn't have time this evening, I _____ him tomorrow
- Meet
 - Will meet
 - Met
 - Will be meeting
40. A discerning publishing agent can ----- promising material from a mass of submissions, separating the good from the bad.
- Finagle
 - Subplant
 - Winnow
 - Overhaul
41. If 10 is added to a number P and then 3 is subtracted from that sum, the result is 15. What is P?
- 22
 - 28
 - 8
 - 15
42. The average of four numbers is 19. If the first two numbers are 15 and 16, the sum of the remaining two numbers is:
- 37
 - 38
 - 41
 - 45
43. _____ lives in _____ (Fill up the blanks appropriately)
- The President Trump, the White House
 - President Trump, the White House
 - President Trump, White House
 - The President Trump, a White House

44. Pick out the only correct sentence:

- a. I brush my tooth twice a day
- b. Lots of woman took part in the race
- c. The sign warned that deer might be crossing
- d. All the childrens played together

45. Kasturirangan committee report is on _____.

- a. Improving economic status of BPL families
- b. Conserving environment of Western Ghats of India
- c. Improving health services in the north east region of India
- d. Allowing foreign direct investment in India

46. Consider the following distribution of incomes in country x and country y: country x (2, 3, 4) country y (6, 9, 12)

- a. inequality is higher in x than in y
- b. inequality is higher in y than in x
- c. inequality is the same in x and y
- d. the information given is not sufficient to compare inequality in x and y

47. Which are the words that means the opposite of numerous?

- a. Simple, plain
- b. Contrasting, different
- c. Few, not many
- d. Difficult, complicated

48. If the numbers from 1 to 45 which are exactly divisible by 3 are arranged in ascending order, minimum numbers being on the top, which would come at the ninth place from the top?

- a. 18
- b. 24
- c. 21
- d. 27

49. A shop keeper who usually offered oranges at Rs 100/ kg decided to reduce the price by 20%. Later he offered a further 10% reduction of the revised price. The final cost of 1kg of oranges is _____
- 70
 - 72
 - 75
 - 80
50. Your money will be _____ if the goods are not to your satisfaction.
- Refuted
 - Refunded
 - Rebutted
 - Recycled
51. The waist circumference of a person is 98 cm and the hip circumference 90 cm. The waist: hip ratio of the person (rounded to one decimal place) is _____
- 0.9
 - 1.0
 - 1.1
 - 1.2
52. What do you understand by 'Devaluation of a currency'?
- Reduction in the value of a currency vis-a-vis major international currencies
 - A currency to seek its international value
 - Fixing the value by a basket of pre-determined currencies
 - Fixing the value by the World Bank
53. The value of the expression: $3 \times (5-1) + 9 \div 3$ is _____
- 7
 - 13
 - 15
 - 21
54. The furniture in my room _____ brown.
- Are
 - Is
 - Were
 - Has

55. Select the correct choice Hot : Oven :: Cold : ?
- a. Ice cream
 - b. Air conditioner
 - c. Snow
 - d. Refrigerator
56. A number is divisible by 3 if the _____ of the digits is divisible by 3.
- a. Sum
 - b. Product
 - c. Square
 - d. Square root
57. Kavitha _____ a baby yesterday.
- a. Got
 - b. Has
 - c. Had
 - d. Have
58. Complete the sentence: ' If Irich, my life would change completely'.
- a. am
 - b. was
 - c. were
 - d. will be
59. 'After what I did to you, I couldn't hope for a better treatment from you'. This sentence implies that:
- a. I am satisfied at the way you treated me, though it was not good
 - b. I think that you have treated me badly
 - c. I think that you have treated me as best as you can
 - d. I cannot hope that you will treat me any better
60. Median of the numbers (10, 8, 15) is _____.
- a. 8
 - b. 10
 - c. 11
 - d. 15

61. Federal structure in India means
- India is multi-ethnic
 - The centre and the states share power
 - India is a member of the United Nations
 - There is a single tier of governance structure
62. In an examination it is required to get 50% of the aggregate marks to pass. A student gets 80 marks and is declared failed by 10% marks. What is the maximum aggregate mark a student can get?
- 100
 - 200
 - 300
 - 400
63. The Hathi commission report (1975) was on:
- Pharmaceutical industry in India
 - Hospitals in India
 - Doctors in India
 - Nursing in India
64. Which of the listed states is known for Kala Azar prevalence?
- Kerala
 - Andhra Pradesh
 - Bihar
 - Himachal Pradesh
65. If the position of Rajan is 15th from one end and 13th from the other end in his class, what is the total number of students in his class?
- 30
 - 32
 - 24
 - 27
66. $4:7 = 12:?$
- 12:15
 - 12:7
 - 12:21
 - 12:16

67. A man walks a distance of 500 meters in 7 minute 30 seconds. What is the speed in km/hr?
- 5
 - 6
 - 4
 - 3
68. Work hard lest you _____ fail.
- should
 - will
 - would
 - may
69. Select the word that does not belong to the group
- Fair
 - Equitable
 - Favorable
 - Just
70. If logarithm of a number P is 10 and that of a number Q is 5, what is the logarithm of PQ?
- 50
 - 2
 - 0.5
 - 15
71. If 1 cm on a map corresponds to an actual distance of 40 kms. And the distance on the map between Bombay and Calcutta is 37.5 cms., the actual distance between them is :
- 375 kms
 - 3750 kms
 - 1500 kms
 - None of the above
72. The doctor advised the patient to abstain _____ smoking.
- with
 - from
 - of
 - by

73. The first country in the world to launch an official program for population control was:
- India
 - USA
 - China
 - France
74. Artists are generally whimsical. Some of them are frustrated. Frustrated people are prone to be drug addicts. Based on these statements which of the following conclusions are true?
- All frustrated people are drug addicts
 - Some artists may be drug addicts
 - All drug addicts are artists
 - Frustrated people are whimsical
75. In a family there are husband, wife, two sons, and two daughters. All the ladies are invited to a dinner. Both sons went out to play. Husband did not return from office. Who was at home?
- Only wife was at home
 - All ladies were at home
 - only sons were at home
 - Nobody was at home
76. Malice means
- blemish
 - spite
 - scar
 - defect
77. Cube root of 27 is
- 9
 - 5.2
 - 6
 - 3

78. The ratio of men to women in a particular firm is 3:2. If there are 57 men in the firm, how many women should be recruited further to make the ratio 1:1?
- 13
 - 17
 - 19
 - 23
79. Which word does NOT fit in with the others?
- Logical
 - Reasonable
 - Cogent
 - Profound
80. Men are _____ likely to consume alcohol than women
- Much
 - More
 - Most
 - Many
81. Ela Bhatt is
- An activist known for her role in Narmada Bachao Andolan
 - The founder of Self Employed Women's Association (SEWA)
 - The winner of the prestigious Booker Prize
 - The first lady Chief Minister of a state in India
82. Do you want another drink? _____
- I'm going to
 - Please do
 - No thanks
 - Can you?
83. In India, medical termination of pregnancy Act permits abortions up to
- 20 weeks of pregnancy
 - 10 weeks of pregnancy
 - 12 weeks of pregnancy
 - 8 weeks of pregnancy

84. If the vowels A, E, and U are replaced by P, M and C respectively, what is PUBLIC HEALTH?
- PMBLIC HCPLTH
 - PMBLIC HMPILTH
 - ACBLIC HUPLTH
 - MCBLIC HPPLTH
85. Which one among these is the richest in protein?
- Tapioca
 - Soyabean
 - Wheat
 - Apple
86. Sustainable Development Goals are to be achieved by the year
- 2020
 - 2025
 - 2030
 - 2040
87. If Ram was 35 years old 7 years ago, how old he was x years ago?
- $x-42$
 - $42-x$
 - $x-28$
 - $28-x$
88. A grocer has a sale of Rs 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs, 6500 ?
- 4991
 - 5467
 - 5987
 - 6453
89. Many biologists have attempted to ____ the conditions on earth before life evolved in order to answer questions about the ____ of biological molecules.
- replicate-reactions
 - simulate-origin
 - ameliorate-evolution
 - mimic-shapes

90. If 30% of a number is 12.6, find the number
- 45
 - 38
 - 40
 - 42
91. If Ivan takes the bus, he'll be late. What does this mean?
- If Ivan doesn't take the bus, he won't be late
 - If Ivan takes the subway, he won't be late
 - If Ivan isn't late, he must have not taken the bus
 - If Ivan is late, he must have taken the bus
92. The average salary of workers in an industry is Rs.200 and the average salary of 150 technicians among the workers is Rs.400. The average salary of the remaining non-technician workers is Rs.125. What is the total number of workers?
- 400
 - 450
 - 550
 - 500
93. A fruit seller had some oranges. He sells 40% oranges and still has 420 oranges. How many oranges did he have originally?
- 420
 - 700
 - 220
 - 400
94. Complete the sentence by selecting the appropriate word: Everyone lost their money when the so-called treasurer.....with all the society's savings.
- Avoided
 - Evaded
 - Absolved
 - Absconded
95. Complete the sentence: Do you _____ Hindi?
- talk
 - speak
 - talking
 - speaking

96. The scientific surveys undertaken for diverse fields by the ministry of statistics and programme implementation in India is called -----
- National Sample Survey Organisation survey
 - Simple Random Surveys of India
 - Surveys of the Registrar General
 - Annual Surveys of India
97. What is the value of $(x-3x+x+2x)$ if $x=1$?
- 1
 - 0
 - 1
 - 2
98. John lives in Mumbai while his younger cousin Antony lives in Kerala. Antony has visited John several times last year, but John has visited Antony only once. Which of the following can be inferred from these?
- John doesn't like Antony
 - Antony likes to go to Mumbai
 - John is older to Antony
 - John thinks Kerala is a boring place
99. Which of the following are in descending order?
- 0.01, 0.05, 1.5, 4.5
 - 0.1, -1.5, 2.5, 3.0
 - 1.5, -1.5, 1.0, -2.5
 - 0.1, -0.05, -1.5, -4.5
100. On weekends, Mr Menon spends time in the vegetable garden. Mrs Menon reads historical novels. Both of them love cooking. Which of the following statements logically follows from these?
- Mrs Menon helps in the garden
 - Mr Menon borrows books for his wife from the library
 - Both Mr and Mrs Menon hate television serials
 - None of the above

Answer Key- MPH Entrance 2018

1. C	26. B	51. C	76. B
2. A	27. D	52. A	77. D
3. B	28. C	53. C	78. C
4. D	29. B	54. B	79. D
5. B	30. C	55. D	80. B
6. D	31. D	56. A	81. B
7. C	32. D	57. C	82. C
8. D	33. C	58. C	83. A
9. C	34. A	59. C	84. B
10. A	35. D	60. B	85. B
11. C	36. B	61. B	86. C
12. C	37. A	62. B	87. B
13. D	38. C	63. A	88. A
14. C	39. B	64. C	89. B
15. C	40. C	65. D	90. D
16. C	41. C	66. C	91. C
17. A	42. D	67. C	92. C
18. A	43. B	68. A	93. B
19. C	44. C	69. C	94. D
20. A	45. B	70. D	95. B
21. A	46. C	71. C	96. A
22. B	47. C	72. B	97. C
23. B	48. D	73. A	98. C
24. C	49. B	74. B	99. D
25. D	50. B	75. D	100. D