श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौधोगिकी संस्थान,तिरुवनन्तपुरम् - ६९५ ०११,केरल, भारत

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MPH ENTRANCE EXAMINATION 2019   SCTIMST

1. Fill in the blank with the word that best completes the sentence: 'Rajeev failed the examination because none of his answers were ---------- to the questions asked'.
   a. allusive
   b. revealing
   c. pertinent
   d. referential

2. Which sentence uses the correct plural?
   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

3. Malaria is _____ through mosquito bites.
   a. transmit
   b. transmission
   c. transmitting
   d. transmitted

4. Identify the synonym for the word: defer
   a. indifferent
   b. defy
   c. postpone
   d. differ

5. Niya's hobbies include jogging, swimming, and _____.
   a. to climb mountains
   b. climb mountains
   c. climb
   d. climbing mountains

6. It was difficult to sleep _____ the flight.
   a. during
   b. on
   c. in
   d. from

7. Which one is the correct word?
   a. pinapple
   b. pineapple
   c. pineaple
   d. pieapple

8. Find the appropriate meaning for the word Beneficence
   a. kind-heartedness
   b. the concession that a person is innocent
   c. a person who benefits
   d. the ethical principle of doing good

9. I look forward to _____ you.
   a. meeting
   b. meet
   c. will meet
   d. met

10. Fill in the blank with the appropriate word to complete the sentence: 'When you stay in a country for some time, you get used to the people's ...... of life'.
    a. habit
    b. way
    c. custom
    d. system

11. If VICTORY is coded as YLFWRUB, how can SUCCESS be coded?
    a. VXEEIVV
    b. VYEEHVV
    c. VXFFHVV
    d. VYEFIVV

12. From among the following pairs, choose the pair that does not fit in with the other pairs.
    a. January: December
    b. Aries: Pisces
    c. Alpha: Omega
    d. Earth: Sun

13. Select the word that does not belong to the group
    a. Fair
    b. Equitable
    c. Favorable
    d. Just

14. Look at this series: 2, 8, 14, 20, 26, 32, 38, What set of numbers should come next
    a. 2, 46
    b. 44 ,50
    c. 42, 48
    d. 40, 42

15. In a code, if every letter is represented by the fourth letter after it in the alphabet. Then the word GVMGOIX stands for
    a. Callers
    b. Cricket
    c. Bribery
    d. Propose

16. Arrange the five words given below in a meaningful sequence:
    1. Word   2. Paragraph   3. Sentence   4.Letters   5. Phrase
    a. 4, 1, 5, 2, 3
    b. 4, 1, 3, 5, 2
    c. 4,2,5,1,3
    d. 4,1,5,3,2

17. If January is 1, February is 4 and March is 9, then April is
    a. 12
    b. 16
    c. 20
    d. 25

18. Rounded value of 3.34709 with two decimal places:
    a. 3.34
    b. 3.35
    c. 3.30
    d. 3.38

19. Find the odd one in the sequence: Metre, Litre, Feet, Mile.
    a. Metre
    b. Litre
    c. Feet
    d. Mile

20. Ozone layer shields against
    a. UV rays
    b. X rays
    c. gamma rays
    d. air pollution

21. The vitamin that is important for bone health
    a. A
    b. D
    c. E
    d. K

22. When did the Medical Termination of Pregnancy Act of the Government of India come into effect?
    a. 1972
    b. 1994
    c. 2004
    d. 2018

23. NIKSHAY is a notification system for registration of
    a. HIV patients
    b. TB patients
    c. Pregnant women
    d. Hospitals

24. Mandatory vaccine for pregnant women according to India's Universal Immunization Programme is
    a. TT
    b. BCG
    c. Gardasil
    d. Hepatitis B

25. The Hathi commission report (1975) was on:
    a. Pharmaceutical industry in India
    b. Hospitals in India
    c. Doctors in India
    d. Nursing in India

26. One of the commonest health problems among pregnant women in India is
    a. Anaemia
    b. Heart disease
    c. Weight loss
    d. Jaundice

27. One of the following is not a function of bones
    a. attach muscle
    b. Protect important organs
    c. Hormones secretion to regulate calcium
    d. Produce blood corpuscles

28. Factors of production are
    a. Land, Labour, Man, Money
    b. Man, Money, Labour, Manager
    c. Land, Labour, Capital, Organisation
    d. Man, Machine, Money, Material

29. Which one among these is a condition of teeth?
    a. Mitosis
    b. Nephrosis
    c. Fluorosis
    d. Psychosis

30. How much is [(200% of 200) + (400% of 400)]?
    a. 400
    b. 1600
    c. 1200
    d. 2000

31. A bakery earns a profit of Rs. 25 for every 3 cakes it sells. How many cakes must the bakery sell in order to make a Rs. 500 profit?
    a. 9
    b. 20
    c. 25
    d. 60

32. The average of 9 items is 89. If a new item 69 is added, what is the average of all 10 items?
    a. 83
    b. 85
    c. 91
    d. 87

33. If each side of a square is increased by 25%, find the percentage change in its area?
    a. 65.25
    b. 56.25
    c. 65.00
    d. 56.00

34. The price of a diamond ring was reduced by 80% then went up by 200%. What was the percentage change in the diamond ring's price?
    a. 60%
    b. 20%
    c. 40%
    d. 120%

35. The sum of ages of 5 children born at intervals of 4 years each is 60 years. What is the age of the oldest child?
    a. 16 years
    b. 20 years
    c. 24 years
    d. 18 years

5

36. 0.000987 is equal to
    a. 9.87 $\times 10^4$
    b. 9.87 $\times 10^{-3}$
    c. 0.987 $\times 10^{-3}$
    d. 98.7 $\times 10^{-4}$

37. The speed of a car increases by 2 km after every one hour. If the distance travelled in the first one hour was 35 km. What was the total distance travelled in 12 hours?
    a. 456
    b. 482
    c. 556
    d. 552

38. A certain sum of money is divided among A, B and C, so that for each INR of A, B received 60 paisa and C received 30 paisa. If B's share is 12 INR, then total sum of money is
    a. 40 INR
    b. 42 INR
    c. 39 INR
    d. 38 INR

39. If 1 cm on a map corresponds to an actual distance of 40 km. And the distance on the map between Bombay and Calcutta is 37.5 cms., the actual distance between them is :
    a. 375 km
    b. 3750 km
    c. 1500 km
    d. None of the above

40. Fastidious is most nearly opposite in meaning to
    a. careful
    b. aloof
    c. monotonous
    d. negligent

41. Find the word from the meaning of "an abnormal growth that can grow uncontrolled and spread to other parts of the body"
    a. tuberculosis
    b. AIDS
    c. cardiovascular illness
    d. cancer

42. Something is said to be "latent", when it is _____
    a. not fully expressed
    b. late
    c. latest
    d. tentative

43. Brackish and Saline refer to the quality of taste that is _____
    a. sweet
    b. sour
    c. salty
    d. minty

44. He had an accident last year. Now he drives_____than before
    a. careful
    b. carefully
    c. more careful
    d. more carefully

45. 'I can't wait for the school to close' means that
    a. I have urgent business, so I can't wait till then
    b. I am unable to wait because of some physical disability
    c. I am sad at the school closing
    d. I am looking forward to the school closing

46. Fill up the blank with the appropriate word to complete the sentence: The snow was ...... heavily when I left the house.
    a. dropping
    b. landing
    c. falling
    d. descending

47. Read the following paragraph and select a statement that is true as per the given information. "On weekends, Raman spends many hours working in his vegetable and flower gardens. Sita spends her free time reading and listening to classical music. Both Raman and Sita like to cook."
    a. Raman enjoys planting and growing vegetable
    b. Raman does not like classical music.
    c. Sita cooks the vegetables that Raman grows
    d. Sita enjoys reading nineteenth-century novels

48. The synonym of Kryptonite
    a. secure
    b. underground room
    c. something that can seriously weaken or harm
    d. conceal

49. Because of his behaviour, Ajay now has .... friends than before
    a. less
    b. little
    c. fewer
    d. few

50. Find the next number 5,10,20,40,?
    a. 60
    b. 80
    c. 50
    d. 70

51. In a code language, if WINDOW is written as ODNIWW, then PILLAR is written as
    a. RLLAPI
    b. ALIPRL
    c. LARPIL
    d. ALLIPR

52. Find the odd one in the sequence: Desktop computer, Calculator, Spreadsheet, Laptop computer.
    a. Desktop computer
    b. Calculator
    c. Spreadsheet
    d. Laptop computer

53. Pointing to an old man Sumi asked Raji, "Who is he?". Raji said, "His daughter is my daughter's aunt". How is the old man related to Raji?
    a. Father
    b. Brother
    c. Uncle
    d. Grandfather

54. The sum of two digits, as well as the square of the difference between the two digits, is 9. The product of the two digits is
    a. 15
    b. 18
    c. 24
    d. 27

55. After walking 6 km, I turned right and travelled a distance of 2 km, then turned left and covered a distance of 10 km. In the end, I was moving towards the north. From which direction did I start my journey?
    a. South
    b. North
    c. West
    d. North-East

56. 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?
    a. All frustrated people are drug addicts
    b. Some artists may be drug addicts
    c. All drug addicts are artists
    d. Frustrated people are whimsical

57. Ram purchased 10 dozens of pens at the rate of Rs. 300 per dozen. He sold them at the rate of Rs. 30 per pen. What was his percentage profit?
    a. 20
    b. 30
    c. 60
    d. 15

58. If AIR is 347 and WATER is 13967, the EARTH is
    a. 63794
    b. 63795
    c. 63784
    d. 63785

59. Drug trials in India are regulated by which of the following laws?
    a. Schedule Y of the Drugs and Cosmetics Act, 1940
    b. Schedule Y of the Workmen's Compensation Act 1923
    c. Pre-Conception and Pre-Natal Diagnostic Techniques Act, 1994
    d. The Indian Council of Medical Research Act 2000

60. In public health service delivery system, PHC stands for _____.
    a. Public Health Centre
    b. Primary Health Care
    c. Primary Health Centre
    d. Public Health Care

61. Scurvy is due to deficiency of vitamin
    a. A
    b. B1
    c. B12
    d. C

62. The maternal mortality ratio is usually represented as a number per --------- live births
    a. 100
    b. 10000
    c. 100000
    d. 1000000

63. Which of the following neighbouring countries had a better Human Development Index than India in 2014?
    a. Sri Lanka and Bangladesh
    b. Maldives and Sri Lanka
    c. Pakistan and Nepal
    d. Nepal and Sri Lanka

64. NCD Surveillance systems usually use which of the following study designs?
    a. Cohort
    b. Cross-sectional
    c. Serial cross-sectional
    d. Case-control

65. A normal human cell has _____ chromosomes
    a. 22
    b. 23
    c. 46
    d. 48

66. What is the meaning of expectation of life at birth?
    a. Average number of years that a newborn is expected to live if current mortality rates continue to apply.
    b. Average number of years that a newborn is expected to life if the current rates of fertility continue to apply
    c. Median years that a cohort is expected to live if the current rates of mortality continue to apply
    d. Median years that a cohort is expected to live if the current rates of fertility continue to apply

67. Who is the current Union minister for Health and Family Welfare?
    a. Harsh Vardhan
    b. Smriti Zubin Irani
    c. Jagat Prakash Nadda
    d. Ravi Shankar Prasad

68. Swine flu is caused by
    a. H1N1
    b. HIV
    c. Herpes zoster
    d. Mumps virus

69. One Billion can be written as
    a. 10^6
    b. 10^9
    c. 10^7
    d. 10^8

70. The half-life of a radioactive element is 4 years. The fraction of the element remaining after 12 years is ___.
    a. 1/3
    b. 1/6
    c. 1/8
    d. 1/12

71. If 33 is added to a number N, it becomes 100. What is the number N?
    a. 133
    b. 167
    c. 67
    d. 77

72. A scientist found that the number of bacteria in a sample doubles every hour. If there were 6 bacteria in the sample at the start of the experiment, how many bacteria were there after 9 hours?
    a. 54
    b. 512
    c. 3072
    d. 6144

73. If 10 is added to a number P and then 3 is subtracted from that sum, the result is 15. What is P?
    a. 22
    b. 28
    c. 8
    d. 15

74. In a garden, there are 10 rows and 12 columns of mango trees. The distance between the two trees is 2 metres and a distance of one metre is left from all sides of the boundary of the garden. The length of the garden is
    a. 20 metres
    b. 22 metres
    c. 24 metres
    d. 26 metres

75. A right-angled triangle has an angle of 33^0. What is the third angle in that triangle?
    a. 47^0
    b. 57^0
    c. 90^0
    d. 157^0

76. There are 20 students with an average height of 105 cms in a class. Then 10 students with an average height of 120 cms join the class. What will be the average height of the class now?
    a. 100
    b. 110
    c. 120
    d. 90

77. Missing number in the sequence   100, 81, ___, 49, 36 is _____.
    a. 61
    b. 72
    c. 64
    d. 55

78. Of the 2,500 students who entered Medical College this year, 40 percent graduated from public schools and the rest graduated from private schools. How many more private school students than public school students entered the Medical College this year?
    a. 150
    b. 400
    c. 600
    d. 500

79. The ROME program of the government of India was concerned with:
    a. Making drugs available
    b. Improving rural health
    c. Improving women's health
    d. Improving medical education

80. In India, _____is the most common cancer in women
    a. Breast cancer
    b. Cervical cancer
    c. Ovarian cancer
    d. Oral cancer

81. Which of the following types of care does not fit in the sequence: A. antenatal care, B. intrapartum care, C. menstrual hygiene care, D. postpartum care
    a. A
    b. B
    c. C
    d. D

82. 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

83. Which research paradigm is most concerned about generalizing its findings?
    a. Qualitative research
    b. Quantitative research
    c. Mixed-methods research
    d. All of the above

84. Which of the following is a reason for the ethical review of research proposals?
    a. To balance the risks and benefits of participation in the research
    b. To ensure the best possible outcomes for the researcher
    c. To ensure that the researcher follows the international regulatory regimes
    d. To ensure that the researcher is aware of the statistical methods of research

85. Rio Earth Summit, 2012 is related to
    a. Sustainable development
    b. Combating the consequences of population explosion.
    c. Technology transfer mechanism to developing countries for 'clean-energy' production
    d. Mitigation norms of Green House Gases (GHGs) emission

86. Ayushman Bharat is targeting at reaching a population of about ....beneficiaries
    a. 10.74 crores
    b. 1.74 crores
    c. 10 million
    d. 66.46 crores

87. Night blindness, drying of the conjunctiva, dry and scaly skin and loss of hair are some of the symptoms of :
    a. Vit K deficiency
    b. Vit A deficiency
    c. Iron deficiency
    d. Folic acid deficiency

88. Look at this sequence: 70, 71, 76, ___, 81, 86, 70, 91, 96 ... What number should fill the blank?
    a. 70
    b. 71
    c. 80
    d. 96

89. Price of a Laddu is INR 1. Price of a pack of 10 Laddus is INR 7.4. A pack of 10 Laddus is what % cheap than purchasing 10 Laddu individually?
    a. 26%
    b. 18%
    c. 32%
    d. No price difference

90. A boat that can travel at 10 kilometres per hour in still water covers 42 kilometres in three hours while going downstream. What is the speed at which the river is flowing?
    a. 2
    b. 3
    c. 4
    d. 6

91. $f(x)= x^3-4x-9$, then $f(3)-f(2)=$..........
    a. -3
    b. 3
    c. 1
    d. 15

92. The opposite of abound is
    a. increase
    b. lack
    c. pure
    d. cancer

93. Because it had not rained for several months, there was a .... of water.
    a. shortage
    b. drop
    c. scarce
    d. waste

94. Anyone .... after the start of the play is not allowed in until the interval.
    a. has arrived
    b. arrives
    c. arrived
    d. arriving

95. The opposite of antonym is
    a. synergy
    b. sympathy
    c. synonym
    d. simple

96. I complimented him_____ his brilliant success in the examinations
    a. over
    b. on
    c. for
    d. towards

97. The Amazon forest in Brazil covers an area _____ the whole of Europe excluding Russia.
    a. so bigger to
    b. so big to
    c. as bigger as
    d. as big as

98. In a family there are husband, wife, two sons, and two daughters. All ladies went out for a dinner. Both sons went out to play. Husband did not return from office. Who was at home?
    a. Only wife was at home
    b. All ladies were at home
    c. Only sons were at home
    d. Nobody was at home

99. Raju starts at point A and walks 30 metres along a straight line to reach point B. He then makes a right-angled turn and walks for 40 metres to reach point C. What is the distance between A and C?
    a. 70 metres
    b. 10 metres
    c. 1200 metres
    d. 50 metres

100.   A and B are ranked eighth and fourteenth from the top in a class of 58 students. What will be their respective ranks from the bottom of the class?
    a. 51,45
    b. 50,44
    c. 49,44
    d. 51,46