**MALAPPURAM SAHODAYA APTITUDE TEST**

**MSAT 2013-14 (Final)**

**Date : 11.01.2014**

**Class : IX Marks : 100**

**Time : 2 Hrs**

**Reg No.**

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| ***General Instructions :***   1. *Candidate will be supplied with separate Question Paper and Answer Sheet.* 2. *Answer the questions in the OMR sheet by shading the appropriate bubble* 3. *Shade the bubbles with black ball pen/HB pencil* 4. *Each question carries one mark* 5. *For each question below, four options are given. One of them is the correct answer. Make*   *Your choice and shade the correct box on the optical answer sheets given:* |

1. The \_\_\_\_\_\_\_\_ of the English Test Series has been announced.

a) team b) army c) flock d) pack

2. Change in to reported speech: He said, “Gopi slipped when he was trying to board the bus”.

a) He said that Gopi had slipped when he was trying to board the bus.

b) He said Gopi had slipped when he had been trying to board the bus.

c) He said Gopi slipped when he was trying to board the bus.

d) He said that Gopi had slipped when he was being tried to board the bus.

3. Change in to passive form: “Shut the door”.

a) The door was shut b) Let the door be shut

c) The door will be shut d) None of these

**Fill in the blanks with the words opposite in meaning of the underlined:-**

4. The train arrived at the station at 8am and \_\_\_\_\_\_\_\_\_ at 9am.

a) returned b) started c) departed d) passed

5. The striking students were arrested and later \_\_\_\_\_\_\_\_\_ on bail.

a) revealed b) imprisoned c) released d) condemned

**Use the right words from the bracket:-**

6. Prolonged use of powerful drugs will \_\_\_\_\_\_\_\_\_ our health.

a) affect b) effect c) defect d) defective

7. The enquiry commission \_\_\_\_\_\_\_\_ him of the charges levelled against him.

a) interrogated b) exonerated c) intrigued d) denounced

8. There are four groups in this class and \_\_\_\_\_\_\_\_\_ group would feel harassed to have Tom as its member.

a) each b) any c) every d) none

9. Had I met her, I \_\_\_\_\_\_\_\_\_\_ invited her to my house.

a) will have b) would have c) should have d) had

10. Will you please \_\_\_\_\_\_\_\_\_ the fan? Let us save electricity.

a) turn up b) pick up c) turn low d) switch off

11. When was the Indian Forest Service set up by Brandis.

a) 1863 b) 1864 c) 1865 d) 1866

12. Blandongdienten system in Java was followed by

a) British b) Dutch c) Japanese d) French

13. Which of the two states of India are the poorest?

a) Orissa and Punjab b) Bihar and Assam c) Orissa and Bihar d) Punjab and Haryana

14. “Chronic Hunger” is

a) An expression of poverty

b) Related to the cycles of food growing

c) A consequence of diets persistently inadequate

d) When a person is unable to get work for entire year.

15. The first Indian club, the Calcutta Cricket Club, was established in the year

a) 1792 b) 1848 c) 1890 d) 1889

16. Who appoints the Chief Election Commissioner in India?

a) The Chief Justice of India b) The President of India c) The Prime Minister of India d) The people of India

17. What is the age of a person who can contest election to Lok Sabha in India?

a) 25 years b) 30 years c) 35 years d) 40 years

18. Sundari trees are found in \_\_\_\_\_\_\_\_\_

a) The Mahanadi Delta b) The Kaveri Delta c) The Sundarban Delta d) The Krishna Delta

19. What is sex ratio?

a) Number of females per thousand male. b) The study of population growth.

c) Number of females per hundred male. d) Difference between birth rate and death rate.

20. In which of the following groups of states, one-horned rhinoceros are found?

a) Kerala and Tamil Nadu b) Assam and West Bengal

c) Gujarat and Maharashtra d) Manipur and Tripura.

21. Gases are liquefied under

a) high pressure and high temperature b) high pressure and low temperature

c) low pressure and high temperature d) low pressure and low temperature

22. The molecular mass of CH2Cl2 is

a) 208.5u b) 85u c) 84u d) 34u

23. The number of oxide ions present in 51g of aluminium oxide is

a) 0.5 mole b) 1 mole c) 2.0 mole d) 1.5 mole

24. Denitrification is caused by

a) Psendomonas acruginosa b) Nitrobacter c) Nitrosomona d) Bacillus ramosus

25. Amoeba acquires its food through a process termed as

a) exocytosis b) endocytosis c) plasmolysis d) both exocytosis and endocytosis

26. Medullated nerve fibre is axon covered by

a) neurolemma b) medullary sheath

c) plasma membrane d) both neurolemma and medullary sheath

27. The value of ‘G’ on the surface of earth is 6.67x10−11Nm2/Kg2. What will be its value on the surface of moon?

a) same as that on the surface of moon b) more than that on the surface of moon

c) less than that on the surface of moon d) none of the above

28. The value of ‘g’ at the centre of earth is

a) 9.8m/s2  b) 10m/s2  c) 0m/s2 d) 1.5m/s2

29. The shortest distance between the initial and final position of a moving object or body in a direction from initial to final position of the particle is known as

a) distance b) displacement c) motion d) speed

30. Milk does not provide

a) Vitamin A and D b) minerals like phosphorus and calcium

c) iron d) carbohydrates, proteins and fats.

31. A judge appointed at the Supreme Court can hold office till he attains the age of \_\_\_\_\_\_\_\_\_ years.

a) 55 b) 60 c) 65 d) 70

32. Which one of the following does not belong to civil courts?

a) Munsiff court b) Subordinate judges court c) District court d) none of these

33. With effect from 23.10.1997, \_\_\_\_\_\_\_\_\_\_ within or outside an educational institution is prohibited in Kerala.

a) stalking b) smoking c) ragging d) drinking

34. Yelena Issinbaycva is a Russian \_\_\_\_\_\_\_\_\_\_

a) runner b) shooter c) pole volter d) foot baller

35. Who wrote the book “Three mistakes in my life”?

a) Chethan Bhagath b) R.K. Narayan c) Vikram Seth d) Arundhathi Roy

36. What is the name of the fund allotted in the Union budget for Woman empowerment?

a) Abhaya b) Save fund c) Nirbhaya d) Stree

37. What was the name of the Asram built by Mahatma Gandhi near Johanasberg in South Africa?

a) Tolstoy farm b) Lenin farm c) Ahimsa farm d) Satya Asram

38. On which famous street is the New York Stock Exchange located?

a) Downing street b) Walt street c) Fleet street d) New York street

39. Which religious head is escorted by the “Swiss guards”?

a) Delai Lama b) Pope c) Sinyasi d) None of these

40. Which Egyptian city is founded by Alexander The Great?

a) Macidonai b) Cairo c) Aswan d) Alexandria

41. Which Indian leader founded Ghadar Party?

a) Lala Hardayal b) Lal Bhahadur Sastri

c) Lala Lajpath Rai d) Madan Mohan Malavia

42. What is the maximum age limit for participating in the Olympic Games?

a) 45 b) 35 c) 50 d) no age limit

43. Which Tennis tournament starts 6 Mondays before the first Monday in August?

a) U.S open b) Australian Open c) The Wimple ton Championship d) French Open

44. What did Pingali Vangayya design?

a) The Indian National Flag b) The Rashtrpathi Bhavan c) The Zee TV logo d) Red Fort

45. Which dam is constructed across the Kavery River?

a) Mettur dam b) Krishna Raja Sagar dam c) Almatti dam d) Koyna dam

46. In London Olympic 2012 which country won the highest number of medals?

a) USA b) Chaina c) Britan d) Russia

47. Name the African country whose flag has AK-47 in it.

a) Somalia b) Sudan c) Mosambic d) Tansaniya

48. Who is the author of the novel ‘Khazakkinte Ethihasam’?

a) O.V. Vijayan b) M.T. Vasudevan Nair c) Kakkanadan d) Thakazhi

49. Thuk Makkai is the pen name of

a) Malala Yoosufsai b) Anithanair c) Kiran Dasai d) Nojood Ali

50. Name the Malayalee player who won Bronze medal at World Badminton Championship recently.

a) Jawala Gulla b) P.V. Sindhu c) Sania Mirsa d) Tintu Lukka

51. Every point on a number line

a) can be associated with a rational number b) can be associated with an irrational number

c) can be associated with a natural number d) can be associated with a real number

52. Degree of the zero polynomial.

a) 0 b) not defined c) any natural number d) 1

53. The coefficient of x2 in the expansion of (x−2)3 is

a) 6 b) −6 c) 12 d) −12

54. Euclid belongs to the country

a) Egypt b) India c) China d) Greece

55. The sum of the angles at a point is

a) 90° b) 0° c)180° d) 360°

56. What is the other name for thousand thousands?

a) 1 million b) 10 million c) 1 billion d) 10 billion

57. Which is the only even number having only two divisors?

a) 4 b) 2 c) 6 d) none of theses

58. The father’s age is four times his son’s age. After 5 years father’s age will be 3 times that of his son, then what is the age of son now?

a) 10 b) 20 c) 12 d) 15

59. A party consists of grandmother, father, mother, four sons and their wives and one son and two daughters to each of the sons. How many females are there in all?

a) 14 b) 16 c) 18 d) 24

60. What is other popular name of zero?

a) Sriyantra b) Altars c) Globe d) Naught

61. A polygon has 44 diagonals. Then the number of its sides is

a) 22 b) 11 c) 33 d) 88

62. Which number is known as Ramanujan number?

a) 1792 b) 1279 c) 1972 d) 1729

63. Who is known as Prince of Indian Mathematicians?

a) Ramanujan b) Aryabhatta c) Sakunthaladevi d) Bhaskara

64. Which is the most famous theory of triangles in geometry?

a) Euclid’s theorem b) Pythagoras theorem c) Thales theorem d) None of these

65. A bag contains an equal number of one rupee, 50 paise and 25 paise coins. If the total value is Rs.35, how many coins of each type are there?

a) 20 b) 15 c) 25 d) 18

66. Poles are arranged in straight line with one meter gap between them. How many Poles will be there in a straight line of 30 meters?

a) 32 b) 30 c) 31 d) 29

67. A housing society has been allotted a square piece of land measuring 2550.25sq.m. What is the side of the plot?

a) 50.25m b) 50.05m c) 50.65m d) 50.5m

68. One third of Mohit’s marks in Mathematics exceeds a half of his marks in English by 30. If he got 240 marks in the two subjects together, how many marks did he get in English?

a) 42 b) 50 c) 60 d) 180

69. If each of the letters in the English alphabets is assigned odd numerical values beginning A=1, B=3 and so on. What will be the total value of the letters of the word INDIAN?

a) 86 b) 88 c) 89 d) 96

70. The digit of each of the following five numbers is written in reverse order and five new numbers are obtained: 513, 726, 492, 865 and 149. Which of the following will be the third digit of the 2nd highest new number?

a) 1 b) 7 c) 5 d) 8

71. How many 3 are immediately preceded by 9 but not immediately followed by 5 in the following number series. 9 3 4 5 9 3 5 9 3 6 4 3 9 3 3 5 3 9 5 3 9 3 7 5 7 5 9 3 9 5

a) 4 b) 3 c) 5 d) 3

72. There are deer and peacocks in a zoo. By counting heads they are 80. The number of their legs is 200. How many peacocks are there?

a) 20 b) 40 c) 80 d) 60

73. In a class the number of boys is more than the number of girls by 12% of the total strength. The ratio of boys to girls is \_\_\_\_\_\_\_\_\_\_\_

a) 15:11 b) 11:14 c) 14:11 d) 8:11

74. Mohan gets 3 marks for each correct answer and loses 2 marks for each wrong answer. He attempts 30 problems and obtains 40 marks. The number of problems solved correctly is \_\_\_\_\_\_\_\_\_\_

a) 20 b) 10 c) 15 d) 25

75. Reaching the place of meeting on Tuesday 15 minutes before 8.30am Anju found herself half an hour earlier than the man who was 40 minutes late. What was the scheduled time of the meeting?

a) 8am b) 8.05am c) 8.15am d) 8.45am

76. If = = then = ?

a) 7 b) 2 c) d)

77. x and y are two numbers. When their sum is multiplied with their product we get x2+11. Then what is x if y is unity?

a) 11 b) 12 c) 13 d) 14

78. The age of father 10 years ago was thrice the age of his son. 10 years hence father’s age will be twice that of his son. The ratio of their present ages is \_\_\_\_\_\_\_\_

a) 5:2 b) 7:3 c) 9:2 d) 13:4

79. Priti scored more than Rahul. Yamuna scored as much as Divya. Lokita scored less than Manju. Rahul scored more than Yamuna. Manju scored less than Divya. Who scored the lowest?

a) Manju b) Yamuna c) Rahul d) Lokita

80. How many times are the hands of a clock at right angles in a day?

a) 24 b) 48 c) 22 d) 44

81. Present Reserve Bank Governor

a) Osban Smith b) B. Subbaravu c) Raghuram Rajan d) V.V. Giri

82. ‘Mangalyan’ is

a) Mars Oblique Mission b) Mars Orbital Mission c) Mercury Orbital Mission d) Mercury Oblique Mission

83. Which organisation got Nobel Prize for peace in 2013?

a) IUCN b) OPCW c) Red cross d) Amnesty International

84. Cyclone that caused destruction in Odessa

a) Nari b) Thanae c) Kathrina d) Fyline

85. Father of IVF who passed away in 2013.

a) Iyyan Wilmut b) Frederic Sanger c) Robert Edward d) Alfred Russell Valas

86. In C language ‘\t ’ represents

a) Vertical tab b) Horizontal tab c) New line d) Null character

87. The error that can be pointed out by the compilers is

a) Syntax error b) Symantic error c) Logocal error d) Internal error

88. The name for the way that computers manipulate data into information is called

a) Programming b) Processing c) Storing d) Organizing

89. Who is known as the father of C language?

a) Alan Turing b) Pascal c) Vinton Gray d) Dennis Ritchie

90. The group of instructions that directs a computer is called

a) Input b) Program c) Syntax d) Debug

**Read the following passage carefully.**

For the student walking is preferable to all other exercises. The advantage of this mode of exercise is that it is simple. The apparatus is all at hand, complete. You need not wait for the importation of machinery. It is in the open air that the lungs can at once receive the pure air of heaven and the eyes gaze upon hill and dale, upon trees and flowers, upon the objects- animate and inanimate. The very objects of sight and sound cheer the mind and raise the spirit. Another advantage of walking is that you can have a friend to walk with and unbend the mind by pleasant conversation. Once try the method of walking regularly for a few weeks and you will be surprised at the marvellous result. On those afternoons when study is not required, be sure to take long walks and lay up health for days to come.

**Answer the following questions by choosing an appropriate option from those given below.**

91. Walking has an advantage over other modes of exercise because \_\_\_\_\_\_\_\_\_\_

a) it is cheap b) it builds muscles c) it is simple d) it removes tiredness

92. The lungs of the walker are benefited as \_\_\_\_\_\_\_\_\_\_

a) they inhale a lot of air b) they receive the pure air of heaven

c) they have no breathing problem d) they become strong

93. The objects of sight and sound are important for the walker because \_\_\_\_\_\_\_\_\_\_\_

a) they depress the mind and spirit b) they make him suspicious and jealous

c) they make him sad and angry d) they cheer the mind and raise the spirit

94. Walking with a friend is advantageous because \_\_\_\_\_\_\_\_\_

a) one can unbend the mind by pleasant conversation b) one can enjoy a pleasant company c) one can become regular in walking d) one can ward off dullness and fear

95. The word ‘animate’ means \_\_\_\_\_\_\_\_

a) lifeless b) having life c) active d) dull

96. I study well, \_\_\_\_\_\_\_\_. Add proper question tag.

a) do I ? b) don’t I ? c) do you? d) don’t you?

97. The idiom ‘lose heart’ means

a) break one’s heart b) lose hope c) fall in love d) weep

98. A heavy gold necklace \_\_\_\_\_\_\_\_\_ around her neck.

a) hung b) hanged c) hanging d) was hanged

99. All tourists exclaim \_\_\_\_\_\_\_\_ the beauty of Taj Mahal.

a) for b) at c) about d) in

100. Place where aeroplanes are kept.

a) Dockyard b) Apiary c) Hangar d) Garage

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**MSAT -2013-14**

**Answer Key Class: IX**

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