

# MALAPPURAM SAHODAYA APTITUDE TEST

## MSAT FINAL ROUND 2015-16

Class: IX

Date: 05.12.2015

Marks: 100

Reg. No.

Time : 2 Hrs

### 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 correct answer. Make your choice and shade the correct box.

1. The Kerala State Human Rights Commission is situated at

- a) Ernakulam    b) Thiruvananthapuram    c) Trissur    d) Palakkad

2. According to the Article 24 of the Constitution of India no child below the age of \_\_\_\_\_ years shall be employed in any factory or mine or in any other industries which are treated as hazardous.

- a) 18                      b) 14                      c) 20                      d) 21

3. One Rank One Pension (OROP) scheme for the retired military personnel was announced by the Govt. of India on

- a) 2<sup>nd</sup> Oct. 2015    b) 5<sup>th</sup> Sept. 2014    c) 24<sup>th</sup> Oct. 2015    d) 5<sup>th</sup> Sept. 2015

4. The airport that becomes the first airport in the world that completely operates on solar power.

- a) Cochin International Airport    b) Indira Gandhi International Airport - Delhi  
c) Rajiv Gandhi International Airport - Delhi    d) Anna International Airport

5. World Teachers Day is observed on

- a) September 5    b) October 5    c) October 17    d) October 16

6. Who wrote "Vandemataram"

- a) Rabindra Nath Tagore                      b) Sumitra Nandan Pant  
c) Bankim Chandra Chatterji                      d) Vivekanandan

7. The founder of Boy Scouts and Girl Guides movement was \_\_\_\_\_
- a) Charles Andrews    b) Robert Montgomery    c) Richard Temple  
d) Baden Powell
8. The foundation of Modern Education in India was laid by
- a) The Charter Act of 1813                      b) Macaulay's Minute of 1835  
c) The Hunter Commission of 1882              d) Wood's Despatch of 1854
9. The first Indian Ruler to organize Hajj Pilgrimage at the expense of the state was
- a) Alauddin Khilji    b) Feroz Shah Thuglaq    c) Akbar    d) Aurangzeb
10. Zero was invented by
- a) Aryabhatta    b) Varahamihira    c) Bhaskaran-1    d) An Unknown Indian
11. The French revolution was inspired by the teachings of \_\_\_\_\_
- a) Locke              b) Rousseau              c) Hitler              d) Napoleon
12. Who introduced Sanskrit as an official language?
- a) Mouryas              b) Sakas              c) Guptas              d) Chalukyas
13. \_\_\_\_\_ was a revolutionary who later turned in to a Yogi and a Philosopher
- a) Bal Gangadhar Tilak                      b) Aurobindo Ghosh  
c) Lala Lajpath Rai                      d) Vipin Chandra Pal
14. Which of the following is the largest single industry in India?
- a) Iron and Steel    b) Textiles              c) Cement              d) Fertilizers
15. "Insignificance" is the film based on the life of the scientist
- a) Thomas Alva Edison                      b) Albert Einstein  
c) Isaac Newton                      d) Graham Bell
16. Joy of numbers is the book written by \_\_\_\_\_
- a) Sakunthala Devi    b) Ramanuja    c) Euclid    d) J.C.Bose
17. Currency of Israel
- a) Peso              b) Euro              c) New Sheckel    d) Som

18. Largest novel in Malayalam Language

- a) Avakashigal    b) Indulekha    c) Marthan da Varma    d) Kayar

19. India observed Good Governance Day on December 25, which is the birthday of

- a) Balwanth Rai Mehta    b) Narashimha Rao    c) Bal Gangadhar Tilak  
d) Atal Bihari Vajpayee

20. In which river Bhakra Nangal Dam situated?

- a) Sutlej    b) Beas    c) Ravi    d) Chenab

21. The head quarters of 'UN Women' - Organization

- a) Geneva    b) Vienna    c) New York    d) Washington

22. Wrist watch is invented by

- a) Louis Cartier    b) Elisha Graves    c) W.H. Carrier    d) Rudolf Diesel

23. A train 240m long crosses a man walking along the line in oposite direction at the rate of 3kmph in 10 seconds. The speed of the train is

- a) 63 kmph    b) 75 kmph    c) 83.4 kmph    d) 86.4 kmph

24. Pointing to a gentleman, Deepak said, "His only brother is the father of my daughter's father". How is the gentleman related to Deepak?

- a) Father    b) Brother    c) Uncle    d) Brother in law

25. Kavya walks 5 kms straight from her house towards west then turns right and walks 3 kms. There after she takes left turn and walks 2 kms. Further she turns left and walks 3 kms. Finally she turns right and walks 3 kms. In what direction she is now from her house?

- a) West    b) North    c) South    d) East

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

- a) 8.00 hrs.    b) 8.05 hrs.    c) 8.15 hrs.    d) 8.45 hrs.

27. A and B together can paint a house in 8 days. A alone can paint it in 20 days. In how many days can B alone paint the house?

- a)  $13\frac{1}{3}$  days      b) 12 days      c) 13 days      d)  $12\frac{2}{3}$  days

28. If an article is sold for Rs 178 at a loss of 11%. Then for how many rupees it should be sold in order to get a profit of 11%?

- a) 222.50      b) 267      c) 222      d) 220

29. Full form of DMRC

- a) Delhi Metro Rail Co-operation      b) Delhi Mono Rail Co-operation  
c) Deccan Mono Rail Co-operation      d) Deccan Metro Rail Co-operation

30. If '+' means '÷'; '÷' means '-'; '-' means '×' and '×' means '+'. What will be the value of the following expression  $8 + 4 \div 3 \times 5 - 9$ ?

- a) 44      b) 53      c) 66      d) 46

31. Three partners A, B, C invest Rs.18000, Rs.30000 and Rs.48000 respectively in a business. Out of a profit of Rs.42000, B's share is

- a) 8000      b) 12,000      c) 6000      d) 13,125

32. The average age of 4 children in a family is 12 years. If the spacing between their ages is 4 years, the age of the youngest child is

- a) 5 years      b) 6 years      c) 7 years      d) 8 years

33. In the series 18, 26, 34, 42, \_\_\_\_\_ what will be the 15<sup>th</sup> term?

- a) 148      b) 112      c) 130      d) 124

34. In a code language COIMBATORE can be written as BMIOCEROTA. Then MYSORE can be written as

- a) LWSPTA      b) TZNFSP      c) LWSQFI      d) SYMERO

35. 2004 January 1 is Saturday. Then March 31 will be \_\_\_\_\_

- a) Friday      b) Saturday      c) Sunday      d) Monday

36. After rationalizing the denominator of  $\frac{7}{3\sqrt{3}-2\sqrt{2}}$  we get the denominator as

- a) 13      b) 19      c) 5      d) 35



48. The branch of science that deals with the study of tissues

- a) Cytology      b) Histology      c) Pathology      d) Taxonomy

49. Who was the last deputy Prime Minister of India?

- a) Y.B. Chawan    b) S.V. Patel      c) Devilal      d) L.K. Advani

50. UN body which deals with Trade and Development.

- a) UNDP      b) UNIDO      c) UNCTAD      d) UNFPA

51. In a family Reshma is elder sister of Ragini. Soni is Reshma's daughter and Saloni is Soni's cousin. Ragini's mother is Rajini. Ramani is the sister in law of Reshma. Who is Soni's grandmother?

- a) Rajini      b) Ramani      c) Reshma      d) Saloni

52. Time in a clock is 8.25. What is the angle between hour hand and minute hand?

- a)  $115^\circ$       b)  $95^\circ$       c)  $102.5^\circ$       d)  $115.5^\circ$

53. Which of the following words will come last in the English dictionary?

- a) Preview      b) Prevent      c) Prewar      d) Previous

54. In a certain code 'Pim to Suck' means 'red beautiful flower'. 'Suck tom ho' means 'white and red' and 'dom to heck' means 'cloth is beautiful'. Which word in the language means flower?

- a) Pim      b) To      c) Suck      d) Tom

55. If the breadth of a rectangle is increased by 40% and the length is reduced by 30%. What will be the effect on its area?

- a) Decreases by 2%      b) Increases by 2%  
c) Increases by 10%      d) Decreases by 10%

56. In a group of six children T, K, V, O, M and W, T is fatter than M but not as fat as W. K is not the fatter nor is W, whereas V is the thinnest. Who is the fattest among them all?

- a) O      b) T      c) M      d) V

57. A is elder to B by 2 years. A's father F is twice as old as A and B is twice as old his sister S. If the ages of the father and sister differ by 40 years, find the age of A?

- a) 22 years      b) 26 years      c) 32 years      d) 19 years

58. Four men A, B, C and D are reading a book; C reads immediately before D, B reads after A, but before C. Who reads first?

- a) A      b) B      c) C      d) D

59. Jisha ranks 73<sup>rd</sup> from the top in a class of 183 students. What is her rank from bottom?

- a) 110      b) 101      c) 111      d) 113

60. The HCF of two numbers is 81. Their LCM is 2835. If one number is 567 find the other number.

- a) 751      b) 405      c) 368      d) 495

**Read the passage and answer the questions that follow choosing an appropriate option from those given.**

Good manners are not inherited. And they don't come naturally to intelligent people. They have to be learnt and practiced. They are based upon the concept of consideration for others. They are easy to acquire and there is nothing more profitable. Good manners are necessary complement in every walk of life especially in business. Organisations with competent and well mannered representatives enjoy a good reputation. The morale, productivity and profits of such an organisation will be high. And this in turn will attract more business. There is no particular place or time when a person should show or begin his elementary courtesy. Courtesy, etiquettes and manners are tools that one should always carry with oneself, wherever one goes. The first step to success in life is treating others as courteously as we wish others to treat us.

61. Good manners means \_\_\_\_\_

- a) wearing good clothes
- b) eating good food
- c) consideration for others
- d) reading only good foods

62. Good manners can be acquired by \_\_\_\_\_

- a) inheriting them from parents
- b) cramming them from books
- c) getting them naturally by intelligent people
- d) learning and practicing them

63. Good manners are needed \_\_\_\_\_

- a) only in business
- b) only in dealing with friends
- c) only in jobs
- d) in every walk of life

64. Courtesy has to be observed \_\_\_\_\_

- a) everywhere and all the time
- b) at a specific time
- c) with seniors and superiors
- d) only on a particular occasion

65. The word 'etiquettes' means

- a) proper consideration
- b) correct or polite behavior
- c) respectful in conversation
- d) good manners

66. Madhu is taller than Priya. (Change in to positive degree)

- a) Priya is not so tall as Madhu
- b) Priya is not taller than Madhu
- c) Madhu is the tallest
- d) Madhu is a tall man

67. Someone has come to see you. (Change in to negative)

- a) He has not come to see you
- b) No one has come to see you
- c) Someone has not come to see you
- d) None of these

68. Even \_\_\_\_\_ Indians have a long history on them, they have a poor knowledge in maintaining homes and toilets.

- a) if
- b) though
- c) them
- d) while

69. The word detected means \_\_\_\_\_

- a) attributed
- b) discovered
- c) created
- d) related



**Complete the passage given below, choosing the correct alternatives.**

The Darjeeling zoo [70] \_\_\_\_\_ become the country's first zoo to install infra-red night vision cameras to study the movement [71] \_\_\_\_\_ behavioral patterns of the endangered snow leopard. The cameras [72] \_\_\_\_\_ start functioning within the [73] \_\_\_\_\_ few days. The project [74] \_\_\_\_\_ funded by the Central Zoo Authority. If successful, similar cameras will be placed [75] \_\_\_\_\_ the enclosures of red Pandas, another endangered species.

70. a) have                      b) has                      c) had                      d) having

71. a) and                      b) or                      c) but                      d) so

72. a) may                      b) can                      c) will                      d) might

73. a) near                      b) nearer                      c) nearest                      d) next

74. a) are                      b) is                      c) were                      d) was

75. a) at                      b) on                      c) in                      d) around

76. Which of the following pairs will not exhibit diffusion?

a) Salt, Sand              b) Hydrogen, Oxygen      c) Oxygen, Water      d) Sugar, Water

77. A substance melts at  $-25^{\circ}\text{C}$  and boils at  $85^{\circ}\text{C}$ . Which of the following statements about it is correct?

a) It would be in solid state at  $-15^{\circ}\text{C}$               b) It would be in liquid state at  $-25^{\circ}\text{C}$

c) It would be in gaseous state at  $-90^{\circ}\text{C}$

d) It can be in liquid state or in gaseous state at  $-85^{\circ}\text{C}$

78. Which of the following conditions is most favourable for converting a gas into liquid?

a) High pressure, low temperature              b) Low pressure, low temperature

c) Low pressure, high temperature              d) High pressure, high temperature

79. Dry ice is

a) water in solid state                      b) water in gaseous state

c)  $\text{CO}_2$  in liquid state                      d)  $\text{CO}_2$  in solid state





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**Answer Key**

**Class: IX**

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

19.d	39.c	59.c	79.d	99.c
20.a	40.b	60.b	80.c	100.b