## MALAPPURAM SAHODAYA APTITUDE TEST MSAT FINAL ROUND 2015-16

Class: IX		Date: 05.12.2015		<b>Marks: 100</b>		
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	a State Human Rights	Commission is si	tuated at			
a) Erna	akulam b) Thiruvar	ıanthapuram	c) Trissur d)	Palakkad		
2. According	g to the Article 24 of	the Constitution	of India no chi	ld below the age of		
y	ears shall be employe	d in any factory	or mine or in a	any other industries		
which are tro	eated as hazardous.					
a) 18	b) 14	c) 20	d) 21			
3. One Ran	k One Pension (ORC	P) scheme for t	he retired mili	tary personnel was		
announced b	by the Govt. of India or	ı				
a) 2 <sup>nd</sup> (	Oct. 2015 b) 5 <sup>th</sup> Sept. 2	2014 c) 24 <sup>th</sup> Oct.	2015 d) 5th Sep	ot. 2015		
4. The airpo	rt that becomes the fir	st airport in the	world that con	npletely operates on		
solar power.						
a) Cocl	hin International Airpo	ort b) Indira C	andhi Internati	onal Airport - Delhi		
c) Rajiv	v Gandhi International	Airport - Delhi	d) Anna Intern	ational Airport		
5. World Tea	achers Day is observed	on				
a) Sept	tember 5 b) October	5 c) October	17 d) Octob	er 16		
6. Who wrot	e "Vandemataram"					
a) Rab	indra Nath Tagore	b) Sumitra	Nandan Pant			
c) Banl	kim Chandra Chatterji	d) Vivekar	nandan			

7. The founder of	of Boy Scouts and	Girl Guides moven	nent was	
a) Charles	Andrews b) R	obert Montgomery	c) Richard	Temple
d) Baden I	Powell			
8. The foundation	on of Modern Edu	ıcation in India was	laid by	
a) The Cha	arter Act of 1813	b) Ma	caulay's Minute	of 1835
c) The Hu	nter Commission	of 1882 d) Wo	od's Despatch o	of 1854
9. The first India	nn Ruler to organi	ize Hajj Pilgrimage	at the expense o	f the state was
a) Alaudd	in Khilji b) F	eroz Shah Thuglaq	c) Akbar	d) Aurangzeb
10. Zero was inv	vented by			
a) Aryabh	atta b) Varaha	mihira c) Bhaska	ran-1 d) An Uı	nknown Indian
11. The French r	evolution was in	spired by the teachi	ngs of	
a) Locke	b) Rousse	au c) Hitler	d) Napole	an
12. Who introdu	iced Sanskrit as a	n official language?		
a) Mourya	s b) Sakas	c) Guptas	d) Chaluk	yas
13 was a	revolutionary w	ho later turned in to	o a Yogi and a Pl	hilosepher
a) Bal Gan	gadhar Tilak	b) Aurobin	do Ghosh	
c) Lala Laj	path Rai	d) Vipin Ch	andra Pal	
14. Which of the	following is the	largest single indus	try in India?	
a) Iron and	d Steel b) Textile	es c) Cement	d) Fertilize	ers
15. "Insignificar	ice" is the film ba	sed on the life of the	e scientist	
a) Thomas	Alva Edison	b) Albert Ei	nstein	
c) Isaac No	ewton	d) Graham	Bell	
16. Joy of number	ers is the book wi	ritten by		
a) Sakuntl	nala Devi b) R	amanuja c) Euc	elid d) J.C.Bose	9
17. Currency of	Israel			
a) Peso	b) Euro	c) New She	ckel d) Som	

18. L	argest novel in M	alayalam Langua	ge				
	a) Avakashigal b) Indulekha c) Marthan da Varma d) Kayar						
19. I	ndia observed Go	ood Governance D	ay on December 2	25, which is the birthday of			
	a) Balwanth Rai	Mehta b) Na	arashimha Rao	c) Bal Gangadhar Tilak			
	d) Atal Bihari Vajpayee						
20. I1	20. In which river Bhakra Nangal Dam situated?						
	a) Sutlej	b) Beas	c) Ravi	d) Chenab			
21. T	he head quarters	of 'UN Women'- (	Organization				
	a) Geneva	b) Vienna	c) New York	d) Washington			
22. V	Vrist watch is inve	ented by					
	a) Louis Cartier	b) Elisha Graves	c) W.H. Carrier	d) Rudolf Diesel			
23. A	A train 240m long	crosses a man wa	alking along the l	ine in oposite direction at the			
rate	of 3kmph in 10 sec	conds. The speed	of the train is				
	a) 63 kmph	b) 75 kmph	c) 83.4 kmph	d) 86.4 kmph			
24. I	Pointing to a ger	ntleman, Deepak	said, "His only	brother is the father of my			
daug	ghter's father". Ho	ow is the gentlema	n related to Deep	ak?			
	a) Father	b) Brother	c) Uncle	d) Brother in law			
25. k	Kavya walks 5 kr	ns straight from	her house toward	ds west then turns right and			
walk	s 3 kms. There aft	ter she takes left t	urn and walks 2 k	ms. Further she turns left and			
walk	s 3 kms. Finally	she turns right a	nd walks 3 kms.	In what direction she is now			
from	her house?						
	a) West	b) North	c) South	d) East			
26. I	Reaching the plac	ce of meeting on	Tuesday 15 min	utes before 8.30 hours, Anju			
found himself half an hour earlier than the man who was 40 minutes late. What was							
the s	cheduled 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	e in 8	days. A alo	ne can paint it in 20 days. In
how many days can B	alone paint the h	ouse?		
a) 13 <sup>1</sup> / <sub>3</sub> days	b) 12 days	c) 13	days	d) $12^{2}/_{3}$ days
28. If an article is sold	for Rs 178 at a lo	oss of 3	11%.Then fo	or how many rupees it should
be sold in order to get	a profit of 11%?			
a) 222.50	b) 267	c) 222	2	d) 220
29. Full form of DMRO				
a) Delhi Metro R	Rail Co-operation		b) Delhi M	ono Rail Co-operation
c) Deccan Mono	Rail Co-operation	n	d)Deccan N	Metro Rail Co-operation
30. If '+' means '÷'; '-	÷ 'means '-';' - '	means	'x' and 'x	means '+'. What will be the
value of the following	expression $8 + 4$	÷ 3 ×	5 – 9?	
a) 44	b) 53	c) 66		d) 46
31. Three partners A,	B, C invest Rs.1	.8000,	Rs.30000 ar	nd Rs.48000 respectively in a
business. Out of a pro-	fit of Rs.42000, B's	share	is	
a) 8000	b) 12,000	c) 600	00	d) 13,125
32. The average age of	of 4 children in a	family	is 12 years	. If the spacing between their
ages is 4 years, the age	e of the youngest o	child is	5	
a) 5 years	b) 6 years	c) 7 y	rears	d) 8 years
33. In the series 18, 26,	34, 42,	what v	vill be the 15	5 <sup>th</sup> term?
a) 148	b) 112	c) 130	)	d) 124
34. In a code langu	age COIMBATO	RE ca	n be writt	en as BMIOCEROTA. Then
MYSORE can be writt	en as			
a) LWSPTA	b) TZNFSP	c) LV	VSQFI	d) SYMERO
35. 2004 January 1 is S	Saturday. Then Ma	arch 3	1 will be	
a) Friday	b) Saturday	c) Su	nday	d) Monday
36. After rationalizing	the denominator	of $\frac{1}{3\sqrt{3}}$	$\frac{7}{3-2\sqrt{2}}$ we g	et the denominator as
a) 13	b) 19	c) 5		d) 35

37. √	$\overline{2}$ is a polynomia	l known as	<del></del>		
ć	a) Linear polynomial		b) Quadratic polynomial		
	c) Cubic polynomial		d) Co	onstant polynomia	al
38. N	umber of zeroes i	in the zero p	olync	omial	
	a) 0	b) 1		c) 2	d) Infinite
39. If	a wheel has 6 sp	okes equally	y spac	ed, then the meas	sure of the angle between two
adjac	ent spokes is				
	a) 30°	b) 90°		c) 60°	d) 180°
40. It	is given that $\Delta$ A	BC ≅ ∆FDE	and A	$AB = 5$ cm, $\angle B = 40$ °	° and $\angle A=80$ °. Then which of
the fo	llowing is true?				
	a)DF=5cm; ∠F=	:60°	b) DI	F=5cm; ∠E=60°	
	c) DE=5cm; ∠E=	60°	d) DE	E=5cm; ∠D=40°	
41. At	what time betwe	en 9'0' clock	and 1	0'0' clock will the	hand of a clock be together
	a) $48 \frac{1}{11}$ min pa	ast 9	b) 49	$^{1}/_{11}$ min past 9	
	c) $44^{2}/_{11}$ min pa	ast 9	d) 49	$\frac{5}{11}$ min past 9	
42. M	oney is related to	bank in the	e same	e way as Book is re	elated to
	a) Library	b) College		c) Student	d) Author
43. Fi	nd the odd one o	ut			
	a) TSU	b) MLN		c) KLM	d) QPR
44. Tł	ne famous Vedic	saying "Wai	r begii	ns in the minds of	men", is stated in
	a) Rig Veda	b) Atharva	Veda	c) Sama Veda	d) Mundaka Upanishad
45. W	hich country is k	nown as "Ju	inior 1	America"?	
	a) Canada	b) Philippin	nes	c) Japan	d) Sweden
46. "A	Anatoly" is associ	ated with			
	a) Shooting	b) Chess		c) Football	d) Hockey
47	is an exa	mple of flui	id con	nective tissue	
	a) Blood	b) Cardiac		c) Muscles	d) Bone

he branch of scier	nce that deals with	n the study of tissi	ies
a) Cytology	b) Histology	c) Pathology	d) Taxonomy
Vho was the last d	eputy Prime Min	ister of India?	
a) Y.B. Chawan	b) S.V. Patel	c) Devilal	d) L.K. Advani
JN body which de	eals with Trade an	d Development.	
a) UNDP	b) UNIDO	c) UNCTAD	d) UNFPA
n a family Reshma	a is elder sister of	Ragini. Soni is Re	shma's daughter and Saloni is
's cousin. Ragini's	s mother is Rajini.	. Ramani is the sis	ster in law of Reshma. Who is
's grandmother?			
a) Rajini	b) Ramani	c) Reshma	d) Saloni
ime in a clock is 8	.25. What is the a	ngle between hou	r hand and minute hand?
a) 115°	b) 95°	c) 102.5°	d) 115.5°
Which of the follow	ving words will c	ome last in the En	glish dictionary?
a) Preview	b) Prevent	c) Prewar	d) Previous
n a certain code 'l	Pim to Suck' mea	ns 'red beautiful	flower'. 'Suck tom ho' means
te and red' and	'dom to heck' n	neans 'cloth is be	eautiful'. Which word in the
uage means flowe	er?		
a) Pim	b) To	c) Suck	d) Tom
the breadth of a	rectangle is incre	ased by 40% and	the length is reduced by 30%.
t will be the effect	on its area?		
a) Decreases by 2	2% b) Ir	ncreases by 2%	
c) Increases by 1	0% d) De	ecreases by 10%	
n a group of six c	hildren T, K, V, C	D, M and W, T is	fatter than M but not as fat as
C is not the fatter	nor is W, where	as V is the thinne	est. Who is the fattest among
all?			
a) O	b) T	c) M	d) V
	a) Cytology Who was the last d a) Y.B. Chawan JN body which de a) UNDP n a family Reshma 's cousin. Ragini's 's grandmother? a) Rajini Time in a clock is 8 a) 115° Which of the follow a) Preview n a certain code 's te and red' and uage means flowe a) Pim f the breadth of a t will be the effect a) Decreases by 's c) Increases by 1 n a group of six comes is not the fatter all?	a) Cytology b) Histology Who was the last deputy Prime Min a) Y.B. Chawan b) S.V. Patel JN body which deals with Trade an a) UNDP b) UNIDO n a family Reshma is elder sister of s's cousin. Ragini's mother is Rajini. s's grandmother? a) Rajini b) Ramani sime in a clock is 8.25. What is the an a) 115° b) 95° Which of the following words will co a) Preview b) Prevent n a certain code 'Pim to Suck' mea te and red' and 'dom to heck' n uage means flower? a) Pim b) To f the breadth of a rectangle is incre t will be the effect on its area? a) Decreases by 2% b) Ir c) Increases by 10% d) Do n a group of six children T, K, V, C K is not the fatter nor is W, where n all?	n a family Reshma is elder sister of Ragini. Soni is Re's cousin. Ragini's mother is Rajini. Ramani is the sist's grandmother?  a) Rajini b) Ramani c) Reshma l'ime in a clock is 8.25. What is the angle between hou a) 115° b) 95° c) 102.5°  Which of the following words will come last in the En a) Preview b) Prevent c) Prewar n a certain code 'Pim to Suck' means 'red beautiful te and red' and 'dom to heck' means 'cloth is be uage means flower? a) Pim b) To c) Suck f the breadth of a rectangle is increased by 40% and t will be the effect on its area? a) Decreases by 2% b) Increases by 10% n a group of six children T, K, V, O, M and W, T is a continuous all?

57. A is elder to B by	2 years. A's father	r F is twice as old	as A and B is twice as old his	
sister S. If the ages of	the father and sist	er differ by 40 yea	ars, 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	g 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> f	from the top in a	class of 183 stud	dents. What is her rank from	
bottom?				
a) 110	b) 101	c) 111	d) 113	
60. The HCF of two	numbers is 81. Th	neir 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. G	ood manners mea	ins			
	a) wearing good	clothes	b) eating good for	ood	
	c) consideration f	for others	d) reading only §	good foods	
62. G	lood manners can	be acquired by $\_$			
	a) inheriting then	n from parents	b) cramming the	m from books	
	c) getting them n	aturally by intell	igent people d) l	earning and practicing them	
63. G	lood manners are	needed			
	a) only in busines	ss b) only in	dealing with frien	ds	
	c) only in jobs	d) in every	walk of life		
64. C	ourtesy has to be	observed	<u> </u>		
	a) everywhere ar	nd all the time	b) at a spec	rific time	
	c) with seniors ar	nd superiors	d) only on	a particular occasion	
65. T	he word 'etiquette	es' means			
	a) proper conside	eration	b) correct or polite behavior		
	c) respectful in co	onversation	d) good manners	3	
66. N	Iadhu is taller thai	n Priya. (Change	in to positive degr	ree)	
	a) Priya is not so	tall as Madhu	b) Priya is not tal	ller than Madhu	
	c) Madhu is the t	allest	d) Madhu is a tall man		
67. S	omeone has come	to see you. (Char	nge in to negative)		
	a) He has not con	ne to see you	b) No one l	has come to see you	
	c) Someone has r	not come to see yo	ou d) None of	these	
68. E	ven In	ndians have a lon	g history on them	, they have a poor knowledge	
in ma	aintaining homes	and toilets.			
	a) if	b) though	c) them	d) while	
69. T	he word detected	means			
	a) attributed	b) discovered	c) created	d) related	

Com	Complete the passage given below, choosing the correct alternatives.				
	The Darjeeling z	00 [70]	_ becc	me the cou	ntry's first zoo to install infra-
red n	ight vision camer	as to study the m	oveme	ent [71]	behavioral patterns of
the e	ndangered snow !	leopard. The cam	eras [7	<sup>7</sup> 2]	_ start functioning within the
[73]	few d	lays. The project	[74]		funded by the Central Zoo
Auth	ority. If successfu	ıl, similar camera	s will	be placed [7	75] the enclosures
of red	d Pandas, another	endangered spec	cies.		
70.	a) have	b) has	c) had	d	d) having
71.	a) and	b) or	c) bu	t	d) so
72.	a) may	b) can	c) wil	11	d) might
73.	a) near	b) nearer	c) nea	arest	d) next
74.	a) are	b) is	c) we	ere	d) was
75.	a) at	b) on	c) in		d) around
76. W	hich of the follow	ving pairs will not	t exhib	oit diffusion	?
	a) Salt, Sand	b) Hydrogen, Ox	kygen	c) Oxygen,	Water d) Sugar, Water
77. A	substance melts	at -25°c and bo	oils at	85°c. Which	n of the following statements
abou	t it is correct?				
	a) It would be in	solid state at −15	5°c	b) It would	be in liquid state at −25°c
	c) It would be in	gaseous state at-	-90°c		
	d) It can be in liq	uid state or in gas	seous	state at -85	°c
78. V	Which of the follo	owing conditions	is mo	ost favoural	ole for converting a gas into
liqui	d?				
	a) High pressure, low temperature b) Low pressure, low temperature				
	c) Low pressure,	high temperature	e	d) High pro	essure, high temperature
79. D	ry ice is				

b) water in gaseous state

d) CO<sub>2</sub> in solid state

a) water in solid state

c) CO<sub>2</sub> in liquid state

80. Which of the follow	ving can be classif	fied as a 'substan	ce'?
a) Milk	b) Sea-water	c) Ice	d) Cast iron
81. A particle is movi	ng in a circular <sub>l</sub>	oath of radius r.	The displacement after half a
circle would be			
a) 0	b) πr	c) 2r	d) 2πr
82. The inertia of a mo	ving object depen	nds on	_ of the object.
a) momentum	b) speed	c) mass	d) shape
83. The rocket works of	on the principle of	conservation of	
a) mass	b) energy	c) momentum	d) velocity
84. The value of 'g' on	the surface of the	earth.	
a) 6.67×10 <sup>−11</sup> Nn	n <sup>2</sup> /Kg <sup>2</sup> b) 9.8	$8 \text{ m/s}^2$ c) 1.	$6 \text{ m/s}^2$ d) $7.4 \times 10^{22} \text{ Kg}$
85. One of the following	ng is not a vector o	quantity. This on	e is
a) displacement	b) speed	c) acceleration	d) velocity
86. Name northern mo	ost ranges of Hima	alayas	
a) Siwalik	b) Himachal	c) Himadri	d) Karakoram
87. Name the largest s	alt water lake of I	ndia	
a) Chilika	b) Kolleru	c) Walar	d) Sambhar
88. In which year 'Wile	d Life Protection A	Act' was impleme	ented in India?
a) 1967	b) 1976	c) 1972	d) 1983
89. Name of the larges	t dam in India		
a) Hirakud	b) Bakranangal	c) Sardar sarova	r d) Thehri
90. Which of the follo	wing words were	e added to the pr	reamble of Indian constitution
under the 42 <sup>nd</sup> Amend	ment?		
a) Democratic Ro	epublic	b) Democ	ratic Socialist
c) Socialist secul	ar and integenity	d) Soverei	gn secular
91. In which year Nati	onal Human Righ	nts Commission v	vas set up?
a) 1992	b) 1993	c) 1994	d) 1995

92. Uniform civil code	belongs to artic	ele		
a) 42	b) 24	c) 44	d) 17	,
93. Who was the chair	rman of the Con	stituent Assen	nbly which	framed the constitution
of India?				
a) Dr. B.R. Ambo	edkar b)	Dr. Rajendra P	rasad	
c) Jawaharlal Ne	ehru d)	Radha Krishna	ın	
94. Which of the follow	wing is wrongly	matched?		
a) PMRY - 1993	b) SGSY - 1999	c) NREGA	- 2005 d) Y	VAMBAY - 2002
95. Name the act whi	ch provides 10	0 days assured	l employm	ent every year to every
rural house hold				
a) SGSY	b) MREGA	c) PMRY	d) IR	DP
96. The memory which	h is ultraviolet l	ight erasable aı	nd electrica	ılly programmable is
a) ROM	b) PROM	c) RAM	d) EI	PROM
97. There are viruses t	hat are triggered	d by the passag	ge of time o	r on a certain date
a) Time bombs	b) Worms	c) Boot sect	or viruses	d) Macro viruses
98. Who invented EDS	SAC?			
a) John V Neum	ann b)	J P Eckert and	John Mauc	hley
c) Maurice Wilk	es d)	Joseph M Jacqı	uard	
99. Odd one out				
a) 1001	b) 1010	c) 1101	d) 11	11
100. When did John N	apier develop lo	ogarithm?		
a) 1416	b) 1614	c) 1641	d) 14	61

## MALAPPURAM SAHODAYA APTITUDE TEST MSAT FINAL ROUND 2015-16

Answer Key	7			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