Name			
name			

IULTIPLE CHOICE. Choose the one	alternative that best con	npletes the statement or a	nswers the question.	
 Early vehicles were construct A) Wood 	ted mostly of what mater B) Tin	ial? C) Cast iron	D) Steel	1)
2) Which component is NOT pathA) Electrical systemC) Suspension	art of the chassis system?	B) Frame D) Brakes		2)
3) A V-type engine could have A) 8	how many cylinders? B) 4	C) 6	D) All of these	3)
4) A malfunction indicator lightA) MALC) Check engine	t on the dash may be labe	eled B) MIL D) Service vehicle soon		4)
5) A 4WD vehicle often uses a _ A) U-joints	to transmit torquB) Drive shaft	ue to all four wheels. C) Transaxle	D) Transfer case	5)
Which pillar is nearest the from A) A	ont of the vehicle? B) B	C) C	D) D	6)
7) Which type vehicle is most li A) Pickup truck	kely to have a D pillar? B) Station wagon	C) Sports coupe	D) None of these	7)
8) Which device controls coolar A) Vacuum solenoid C) Heater valve	nt flow to the radiator?	B) Thermostat D) Water pump		8)
9) Which item is usually NOT in A) Eye wash solution C) Antibiotic cream	ncluded in a first aid kit?	B) Fire blanket D) Bandages		9)
10) Which type of glove is dama A) Nitrile	ged by contact with petro B) Latex	eleum products or solvents C) Both A and B	s? D) Neither A nor B	10)
11) How might a ring be a safetyA) It could become a pathB) It could get caught on aC) Both A and BD) Neither A nor B	for an electrical circuit			11)
12) A proper working height is _A) At waist heightC) At knee height		B) Above your head D) None of these		12)

13) Technician A uses a face shield when using	g any type of pressure or chemical procedure. Technician	13)
B uses protective gloves when working wi	th solvents. Which technician is correct?	
A) Technician A only	B) Technician B only	
C) Both technicians A and B	D) Neither technician A nor B	
,	, and the second	
1/1) Technician A says that eye contamination	should be treated by flushing with water. Technician B	14)
	lved in the event of eye contamination. Which technician	
is correct?	ved in the event of eye contamination. Willest teerinician	
A) Technician A only	B) Technician B only	
C) Both technicians A and B	D) Neither technician A nor B	
C) Both technicians A and B	b) Netther technician A nor b	
45) T		45)
15) To determine if a product or substance bei	•	15)
A) An MSDS B) EPA guide	lines C) A dictionary D) SAE standards	
16) Used engine oil should be disposed of by a	all these methods EXCEPT	16)
A) Burned onsite in a waste oil-approve	ed heater	
B) Disposed of in regular trash		
C) Shipped offsite for recycling		
D) Burned offsite in a waste oil-approve	ed heater	
17) All of the following are the proper ways to	dispose of a drained oil filter EXCEPT	17)
A) Sent for recycling	anspose of a dramed on fine Excel 1	.,,
B) Picked up by a service contract comp	nany	
C) Considered to be hazardous waste ar	<u> </u>	
D) Disposed of in regular trash	ia disposed of accordingly	
D) Disposed of infregular trasif		
40) All of the fellow the track of the track	A HALMODO EVOEDT	10)
18) All of the following information is listed or		18)
A) Physical properties of the chemical	B) Expiration date	
C) Health hazards	D) First aid information	
19) Technician A says that used oil should be of	collected for recycling. Technician B says that used oil	19)
filters may be disposed of as regular solid	waste only after an approved draining process. Which	
technician is correct?		
A) Technician A only	B) Technician B only	
C) Both technicians A and B	D) Neither technician A nor B	
20) The following statements are all correct EX	(CFPT	20)
A) Airbags contain material that may irr		
B) Airbags may be accidentally deploye		
C) Airbags should be stored facing dow		
	isabled and discharged before working near the area in a	
vehicle.	subject and discharged before working near the area in a	
21) Technician A cave that automative air con	ditioning refrigerants can be vented into the air if a	21)
	iditioning refrigerants can be vented into the air if a	21)
	ian B says that used automotive air-conditioning oils are	
considered hazardous. Which technician is		
A) Technician A only	B) Technician B only	
C) Both technicians A and B	D) Neither technician A nor B	

22) Technician A says that the diameter of a bolt is the same as the wrench size used to remove or					22)
install the fastener. Technician B says that the length is measured from the top of the head of the					
	bolt to the end of the bolt. \	Which technician is correct			
	A) Technician A onlyC) Both technicians A an	nd D	B) Technician B onlyD) Neither technician A	nor D	
	C) BOTH TECHNICIANS A an	и в	D) Neither technician A	IIUI D	
23,	The grade of a fastener, suc	ch as a holt is a measure of	f its		23)
20,	A) Hardness	orras a bort, is a measure of	B) Tensile strength		
	C) Color		D) Finish		
	·		•		
24)) Which of the following is a	metric bolt?			24)
	A) 5/16-18	B) 8 mm	C) M12×1.5	D) 1/2-20	
25)	All of the following are typ	es of clips EXCEPT			25)
	A) E clip		B) C clip		'
	C) Internal snap ring		D) Cotter		
26)) Metric thread pitch is meas		-> -	_, _,	26)
	A) Inches	B) Millimeters	C) Centimeters	D) None of these	
			_		
27)) Which of these is used to co			D) Nicithan Aman D	27)
	А) Тар	B) Die	C) Both A and B	D) Neither A nor B	
20)	\ \\/ b ab af these means be seen	d to vootovo dovoovod thro	odo on o holto		20)
28,) Which of these may be used A) Tap	a to restore damaged threa B) Die	C) Both A and B	D) Neither A nor B	28)
	А) Тар	b) Die	C) BUILT A allu B	D) Neither A hor b	
20)	29) Which of these is used to clean threads of a bolt to be reused?				29)
27,	A) Die	B) Thread chaser	C) Tap	D) None of these	
	Ty Dic	b) Trireda chaser	0) Tup	b) None of these	
30)) Which type nut is used wit	h a cotter pin?			30)
00,	A) Castle nut	B) Nylon ring nut	C) Both A and B	D) Neither A nor B	
	•	, , ,	,	,	
31)) What type of hammer is pl	astic coated, has a metal ca	asing inside, and is filled v	vith small lead balls?	31)
,	A) Sledge hammer		B) Plastic hammer		
	C) Soft blow hammer		D) Dead blow hammer		
32)) Which of these tools is used	d most often by automotive	e service technicians?		32)
	A) Hammer	B) Wrench	C) Pliers	D) None of these	
33)) Which type socket is more	5			33)
	A) 12 point	B) 6 point	C) Both A and B	D) Neither A nor B	
34)) Crowfoot wrenches are ava	•	0) 5 11 4 15	5) 11 111 1	34)
	A) Flare nut	B) Open end	C) Both A and B	D) Neither A nor B	
٥-,	A A A A L.				25)
35)) Which type of screwdriver		C) Dath A and D	D) Noither A	35)
	A) Flat blade	B) Phillips	C) Both A and B	D) Neither A nor B	

36)	What type of socket should	be used with an air imp	pact wrench?		36)
	A) Black	B) Chrome	C) 12 point	D) Either A or B	
37)	Two technicians are discuss says that a wire brush whee can be used to clean thread	el can be used to clean t	hreads. Technician B says	=	37)
	A) Technician A onlyC) Both technicians A an	d B	B) Technician B only D) Neither technician		
38)	Which type of trouble light		=		38)
	A) Incandescent	B) Florescent	C) LED	D) Either B or C	
39)	Technician A changes air co				39)
	out of air compressor tanks A) Neither technician A C) Technician B only		B) Both technicians A D) Technician A only	A and B	
40)	Which air tool is used to rea	move rust or gaskets?			40)
	A) Die grinder	B) Air sander	C) Air drill	D) None of these	
41)	Technician A says that face B says that face shields are		_	_	41)
	is correct? A) Technician A only		B) Technician B only	,	
	C) Both technicians A an	d B	D) Neither technician	n A nor B	
42)	The stone wheel mounted t				42)
	A) Sharpening chisels anC) Both A and B	d blades	B) Cleaning gaskets D) Neither A nor B	from surfaces	
43)	A safety stand is also called		O) P	D)	43)
	A) Jack stand	B) Safety stool	C) Bottle jack	D) Jack	
44)	Tall safety stands would be		anont is removed from t	ha vahiala	44)
	A) Help support the vehB) Lift a vehicleC) Lift a component such			rie veriicie	
	D) Both B and C				
45)	Commonly damaged areas	of a vehicle during hois	_		45)
	A) Tires or body panelsC) Exhaust systems		B) Rocker panels D) All of these		
46)	Technician A says that a ho		9	5 5	46)
	Technician B says that the value technician is correct?	enicle should be hoiste	a to the top of the hoist ti	ravel for safety. Which	
	A) Technician A only	J.D.	B) Technician B only		
	C) Both technicians A an	g R	D) Neither techniciar	n A nor B	

47) When checking stability, how high should the vehicle be raised?				
A) About 3 feet (91 cm)		B) About 6 inches (15 cm)		
C) About 1 foot (30 cm)		D) About 2 inches (5 cm)		
48) Technician A says to never le	ook away from a vehicle	e being hoisted. Technician	B says that the	48)
vehicle must be raised off th				·
A) Technician A only		B) Technician B only		
C) Both technicians A and	I B	D) Neither technician A	nor B	
49) Vehicle hoists are rated by _				49)
A) The maximum height a				,
B) Maximum lifting capac				
C) Both A and B				
D) Neither A nor B				
50) A telescopic gauge can be us	sed to measure a cylinde	er bore if what other measu	rina device is used	50)
to measure the telescopic ga			g alovitoo to dood	
A) Small hole gauge	3	B) Dial indicator		
C) Micrometer		D) Feeler gauge		
51) There are millimet				51)
A) 1000	B) 100	C) 0.10	D) 10	
52) The best tool to measure clea	arance hetween two com	nnonents is		52)
A) Micrometer	B) Caliper	C) Feeler gauge	D) None of these	
, y iviidi dililatai	b) canpor	o, rootor gaago	<i>D</i>) 140110 01 111000	
53) A micrometer can be used to	measure to an accuracy	y of		53)
A) 0.0001 in	B) 0.001 in	C) 0.01 in	D) None of these	,
54) When should the engine oil				54)
A) Every three months, re	•			
B) Every 3,000 miles regar				
	le manufacturer's recom	nmended interval based on	time and mileage,	
whichever occurs first D) All of the above				
D) All of the above				
55) Most vehicle manufacturers	specify brake fluid that	meets what specification?		55)
A) DOT 2	B) DOT 3	C) DOT 4	D) DOT 5	
	•	·	·	
56) Engine oil level should be ch	necked			56)
A) With the engine runnir	ng	B) With the vehicle park	ed on level ground	
C) Both A and B		D) Neither A nor B		
57) Windshield wiper blades are	constructed of	and tend to become brittle	e due to age	57)
A) Brushes	B) Nylon	C) Cork	D) Rubber	
,	, ,	,	,	
58) As the percentage of antifree	eze in the coolant increas	ses,		58)
A) The boiling point decre		B) The freeze point decr		<u>-</u>
C) The heat transfer increa	ases	D) All of the above occur	rs	

59)	Adding a chemical to mak	te ethylene glycol bitte	r to the taste is called	·	59)
	A) Refractometer	B) Passivation	C) Electrolysis	D) Embittered	
60)	Which mixture of coolant/	water solution below i	s recommended for genera	al automotive use?	60)
	A) 100/0	B) 30/70	C) 70/30	D) 50/50	
61)	All these are functions of o	coolant EXCEPT	·		61)
	A) Rust inhibitor		B) Corrosion inhibit	or	
	C) Cooling system lubr	icant	D) All of these are fu	unctions of coolant	
62)	The upper radiator hose co	ollapses when the engi	ne cools. What is the most	likely cause?	62)
	 A) A defective pressure 	cap			
	B) A defective upper ra	diator hose			
	C) A defective thermost	at			
	D) The spring is missing	g from the upper radia	tor hose which is used to k	eep it from collapsing	
63)	Heat transfer is improved	from the coolant to the	e air when the		63)
	A) Coolant is 95% antifr	eeze	B) Temperature diff	erence is small	
	C) Temperature differen	nce is great	D) Both A and C		
64)	What diagnostic trouble co	ode (DTC) could be set	if the thermostat is defect	ive?	64)
ŕ	A) P0171	B) P0440	C) P0128	D) P0300	·
>					>
			of the cooling system is to		65)
			e water pump controls eng		
	by opening at its rated ope right?	ening temperature to a	llow coolant to flow throug	gh the radiator. Who is	
	A) Technician A only		B) Technician B only	I	
	C) Both technicians A a	nd B	D) Neither technicia		
66)	Technician A says that the	automotivo water pu	mn is a nositivo displacom	ont typo numn	66)
			mp is a positive displaceme a 50/50 split between antii		
	right?	coolant mix should be	a 50/50 spiri between antii	reeze and water. writers	
	A) Technician A only		B) Technician B only	I	
	C) Both technicians A a	nd B	D) Neither technicia		
67)	Pressurizing the automoti	ve cooling system resu			67)
	 A) Increased coolant bo 	0.1	B) Reduced engine t	emperature	
	C) Increased coolant wa	arm up rate	D) Reduced coolant	boiling point	
68)	For every one PSI increase	in cooling system pre	ssure, the coolant's boiling	noint is raised how	68)
	many degrees F?	sooming system pre	ood of the occidence boiling	Point 13 141304 11011	
	A) Three	B) Five	C) Two	D) One	
		-	·	•	
69) Technician A says that the engine oil used should be meet the vehicle manufacturer's standards.					
	Technician B says that the	specified viscosity of o	oil should be used. Which t	echnician is correct?	
	A) Technician A only		B) Technician B only	1	
C) Both technicians A and B D) Neither technician A nor B					

70) Oil viscosity refers to v	which of these?			70)
A) Tendency of oil t	o resist flowing			
B) Divided into boo	ly and fluidity			
C) Most important p	property of lubricating oi			
D) Tendency of oil t	o increase flow			
71) Technician A always i	nspects or replaces the dr	ain plug gasket when perf	orming an oil change.	71)
-		nants and flows faster than		·
A) Technician A on	ly	B) Technician B on	ly	
C) Both technicians	A and B	D) Neither technici	an A nor B	
72) Engine oil passages in	an engine block are calle	d		72)
A) Galleries	B) Holes	C) Pathways	D) Runners	-
73) What is the color of the	e warning light that indic	ates hydraulic system failu	ıre?	73)
A) Red	B) Yellow	C) Amber	D) None of these	
. ,	_,	-,		
74) Disc brakes use replac	oablo friction material cal	lod		74)
A) Pads	B) Web	C) Core	D) Linings	, ————————————————————————————————————
A) I dus	b) web	C) Core	D) Lillings	
75\ Dwww hadron was roads	aaabla fristian maatarial a	ماامط		75)
75) Drum brakes use repla		C) Web	D) Chass	75)
A) Pads	B) Core	C) vveb	D) Shoes	
				-0
76) The aspect ratio of a til		5) 11 1 11 1 11		76)
A) The ratio of widt	_		meter of a wheel ratio	
C) The ratio of rolling	ng resistance	D) The ratio of heig	int to width	
77) A tire is labeled 215/60				77)
A) Its tread wear ra	ting	B) Its temperature	resistance rating	
C) Its load rating		D) Its speed rating		
78) Tire inflation is very in	•	•	-	78)
		the maximum pressure im		
		pressures recommended o	n the tire information	
-	e drivers door. Which tecl			
A) Technician A on	•	B) Technician B on	3	
C) Both technicians	A and B	D) Neither technici	an A nor B	
79) A tire with lower than	•	are could lead to what con-	dition?	79)
 A) Reduced tire life 				
B) Reduced fuel eco	3			
•	es of roadside faults or ac	cidents		
D) All of the above				
80) Peter Piper picked a pecl		r Piper picked a peck of pick	led peppers, then how many	80)
pickled peppers did Pete		-> -	-1	
A) 1/4 Bushel	B) Many	C) Really??	D) ?????	

Answer Key

Testname:

- 1) A 2) A
- 3) D
- 4) C
- 5) D
- 6) A 7) B
- 8) B
- 9) B
- 10) B
- 11) C
- 12) A
- 13) C
- 14) C
- 15) A
- 16) B
- 17) C
- 18) B
- 19) C
- 20) C
- 21) B
- 22) D
- 23) B
- 24) C
- 25) D
- 26) B
- 27) A
- 28) B
- 29) B 30) A
- 31) D
- 32) B
- 33) A
- 34) C
- 35) D
- 36) A
- 37) A 38) D
- 39) B
- 40) A
- 41) A
- 42) A
- 43) A
- 44) A
- 45) D 46) A
- 47) C 48) C
- 49) B
- 50) C

Answer Key

Testname:

- 51) D
- 52) C
- 53) A
- 54) C
- 55) B
- 56) B 57) D
- 58) B
- 59) D
- 60) D
- 61) D 62) A
- 63) C
- 64) C
- 65) A
- 66) B
- 67) A
- 68) A
- 69) C
- 70) A
- 71) C
- 72) A
- 73) A
- 74) A
- 75) D 76) D
- 77) D
- 78) C
- 79) D
- 80) A, B, C, D