1.	Whi	ch one of the fol	lowing	is an indire	ect me	easurii	ng tool ?		
	(A)	Inside caliper			(B)	Verr	nier caliper		
	(C)	Bevel protracto	or		(D)	Insid	le micrometer		
2.	In a	metric microme	ter, a c	omplete rev	olutio	n of t	himble advance	s:	
	(A)	0.01 mm	(B)	0.25 mm		(C)	0.50 mm	(D)	1.00 mm
3.	The	angle which is l	ess tha	n 90 degree	is cal	led as	:		
	(A)	Obtuse angle			(B)	Acu	te angle		
	(C)	Right angle			(D)	Non	e of the above		
4.	Whi	ch one of the fol	lowing	designation	n does	not o	lenote the grade	of a fil	le ?
	(A)	Bastard	(B)	First cut		(C)	Second cut	(D)	Smooth
5.	The	tool used for ref	fitting p	oiston rings	on pis	ston is	:		
	(A)	Piston ring ex	pander		(B)	Pisto	on ring compres	sor	
	(C)	Circlip plier			(D)	Valv	e spring compr	essor	
6.	In w	hich nut having	; an int	ernal groov	e cut,	in wh	nich a fiber or n	ylon rin	ig inserted ?
	(A)	Thumb nut							
	(B)	Castle nut							
	(C)	Cape nut							
	(D)	Simmonds loc	k nut						
7.	The	tool used to me	asure t	he clearance	e betw	een t	wo surfaces is ca	alled :	
	(A)	Fillet gauge	(B)	Snap gaug	ge	(C)	Feeler gauge	(D)	Limit gauge
8.	Тар	wrench is a too	l used !	to make :					
	. (A)	Key ways	(B)	Oil holes		(C)	External threa	ds (D)	Internal threads

9.	A m	etal can be drawn in to wires with	out r	upture.	This property of	f met	al is known as:
	(A)	Malleability (B) Ductility		(C) 1	Machinability	(D)	Toughness
10.	The	tool used to measure the thickness	, of sh	neet is ca	alled:		
	(A)	Screw pitch gauge	(B)	Ring g	gauge		
	(C)	Feeler gauge	(D)	Wire g	gauge		
11.	Wea	r on one side of tyre is due to :					
	(A)	Excessive camber	(B)	Evress	ive caster		
	(C)	Under inflation	(D)		nflation		
	, ,		(-)				
12.	King	pin is locked in the beam by a:					
	(A)	Stub axle	(B)	Cotter	pin		
	(C)	Drop arm	(D)	Split p	in		
13.	Tie 1	od ends have the following thread	s:				
	(A)	Left hand (B) Right hand	d	(C) E	Either (A) or (B)	(D)	Both (A) and (B
14.	White	ch one of the following is not cons	iderec	for calc	culating the uns	priins	weight?
	(A)	Steering knuckle (B) Brakes			Axles		Chassis frame
15.	In ar	n integral power steering system, fl	uid fl	ow is co	ontrolled by :		
	(A)	Plunger	(B)	Check	valve		
	(C)	Spool valve	(D)	Hydrai	ulic pump		
16	TA71-2	de anno af the following is and			1: 1 2		
16.		ch one of the following is not a par	t of n			(75)	Dist.
	(A)	Piston (B) Push rod		(C) C	lheck valve	(D)	Piston rings
17.	In ai	r brakes, what is the position of va	lves ir	n brake	valve, when bra	ike pe	dal is Released ?
	(A)	Both inlet and outlet closed	(B)		osed and outlet		
	(C)	Inlet opened and outlet closed	(D)		nlet and outlet r		

18.	The	procedure of removing	air out of th	ne bra	king :	system is know	n as:			
	(A)	Brake adjusting		(B)	Brak	e dragging				
	(C)	Brake bleeding		(D)	Brak	e compensating	3			
19.	Hyd	raulic brakes works on	the principl	le of :						
	(A)	Pascal's law (B)	Boyle's lav	V	(C)	Charl's law	(D)	Newton's law		
20.	The	rocking chair action of	vehicle dur	ing ru	nning	g is known as :				
	(A)	Rolling (B)	Pitching		(C)	Bouncing	(D)	Wobbling		
21.	Wha	t type of clutch is used	l in two whe	elers	?					
	(A)	Multi plate clutch		(B)	Con	e clutch				
	(C)	Single plate clutch		(D)	Diay	ohragm clutch				
22.	In H	lotchkiss drive, rear en	d driving tor	rque i	s take	n up by :				
	(A)	Rear axle housing		(B)	Rear	leaf spring				
	(C)	Shock absorber		(D)	Eng	ine mounting				
23.	The	main function of a uni	versal joint i	is to :						
	(A)	Transfer the engine p	ower in a st	raigh	t line	only				
	(B)	Accommodate chang	e in length (of driv	ve sha	nft				
	(C)	Allow variation of an	ngle betweer	n maii	n shaf	t and drive sha	ft			
	(D)	All of the above								
24.		components of an aut	tomobile tra	nsmis	ssion	system that fac	ilitate tl	he drive to turn at		
	(A)	Planet pinion and su	n gear	(B)	Bev	el pinion and st	ın gear			
	(C)	Crown wheel and su	ın gear	(D)	Bev	el pinion and ci	rown w	heel		
25.	Transfer case is used for :									
	(A)	Rear wheel drive veh	nicles	(B)) Front wheel drive vehicles					
	(C)	Four wheel drive veh	ucles	(D)	Two	o wheel drive v	ehicles			

26.	The	driven member	of torc	que converter is k	nown	as:		
	(A)	Turbine	(B)	Stator	(C)	Impeller	(D)	Flywheel
27.	Dou	ble de-clutching	is use	d on:				
	(A)	Sliding mesh ge	ear bo	x (B)	Syn	chromesh gear bo	x	
	(C)	Constant mesh	gear l	box (D)	Epic	cyclic gear box		
28.	In a	differential actio	n whi	ch gear does not	revolv	e in a straight dr	ive ?	
	(A)	Sun gear	(B)	Planetary gear	(C)	Crown wheel	(D)	Pinion
29.	The	function of gear	box is	to:				
	(A)	Increase speed	(B)	Increase torque	(C)	Provide neutral	(D)	All of the above
30.	Which type of gear permits lower position of propeller shaft ?							
		Herring bone	(B)	Hypoid	(C)	Bevel	(D)	Spiral
31.	The !	head light of a ve	ehicle	is connected with	the b	attery in :		
	(A)	Parallel	(B)	Series	(C)	Compound	(D)	Either (A) or (B)
32.	The s	state of charge of	batter	y is checked by :				
	(A)	Cell tester	(B)	Hydrometer	(C)	Multimeter	(D)	All of the above
33.	If thr	ee resistances 6 c	hm, 4	ohm and 3 ohm	are co	nnected in paralle	el, wh	at will be the tota
	(A)	13 Ohm	(B)	1.3 Ohm	(C)	6.5 Ohm	(D)	26 Ohm
34.	Whic	h one of the shel	l arou	nd the nucleus of	an at	om is mentioned	by the	e letter "M"?
	(A)		(B)	Second	(C)	Third	(D)	Fourth

35.	One	reason wh	y an alter	nator proc	luces a	high	er output tha	n a dyna	imo is beca	use, th
	(A)	Is driven f	ast		(B)	Has	a commutate	or		
	(C)	Generates	direct cur	rent	(D)	Alv	vays uses a ne	gative ea	rth	
36.	The	output of an	n alternato	r is conver	ted by	:				
	(A)	GE V			(B)		rent regulator			
	(C)	Diod rectif	fier		(D)	Cut	out relay			
37.	Iner	tia type start	ting motor	drive is co	mmonl	ly use	d on :			
	(A)	Cars			(B)	Hea	vy vehicles			
	(C)	Commercia	al vehicles		(D)	Nor	ne of the above	2		
38.	The	cable colour	code of h	ead lamp c	ircuit is	3:				
	(A)	Red	(B)	Brown		(C)	Green	(D)	Blue	
39.	A se	mi conducto	or material	have, how	much	electr	ons in its oute	ermost or	bit ?	
		Two	(B)	Four			One	(D)	Three	
40.	The	central section	on of a trai	nsistor is c	alled :					
	(A)	Emitter	(B)	Base		(C)	Collector	(D)	Hole	
41.	If air	fuel mixture	e is compr	essed in a	cylinde	r:				
	(A)	Its volume	reduces		(B)	Its p	ressure will ris	se		
	(C)	Its tempera	ture will r	ise	(D)	All	of the above			
42.	An e	ngine has a ci is :	learance vo	olume of 10	0 cm ³ ar	nd a s	wept volume o	of 900 cm	. The comp	ression
	(A)	10:1	(B)	8:1		(C)	11:1	(D)	9:1	
43.	Speed be:	d of a four s	stroke engi	ine is 1000	rpm.	The r	umber of pov	ver strok	es per minu	te will
	(A)	4000	(B)	500		(C)	400	(D)	1000	

44.	During which one of the following st than the atmospheric pressure?	rokes,	the pressure in the er	ngine cy	linder become less
	(A) Suction (B) Compres	sion	(C) Power	(D)	Exhaust .
45.	Diesel cycle engines are also known a	s:			
	(A) Constant volume cycle engines	(B)	Constant vacuum c	ycle eng	gines
	(C) Constant pressure cycle engines	(D)	Dual cycle engines		
46.	1 kilowatt is equal to :				
	(A) 746 HP (B) 4500 HP		(C) 1.3596 HP	(D)	735.5 HP
47.	Engine BHP is measured by :				
	(A) Barometer (B) Hydrome	eter	(C) Odometer	(D)	Dynamometer
48.	Turbo charger is used for diesel engine	es to i	ncrease ;		
	(A) Mechanical efficiency	(B)	Volumetric efficienc	y	
	(C) Thermal efficiency	(D)	All of the above		
49.	During the upward stroke of a two str place ?	oke pe	etrol engine, which of t	he follo	owing events takes
	(A) Compression and suction	(B)	Compression and ex	haust	
	(C) Compression and power	(D)	Compression and tra	ansfer	
50.	In the following statements, which is s	uitabl	e for a petrol engine ?		
	(A) High initial cost	(B)	High maintenance co	ost	
	(C) High running cost	(D)	All of the above		
51.	A four cylinder four stroke petrol engi	ne hav	ve :		
	(A) Two valves	(B)	Four valves		
	(C) Eight valves	(D)	Sixteen valves		
52.	The purpose of piston ring is to control	1:			
	(A) Compression pressure	(B)	Oil consumption		
	(C) Cylinder wall lubrication	(D)	All of the above		
53.	The engine valves are closed by :				
	(A) Cam shaft (B) Valve spri	ng	(C) Rocker arm	(D)	Push rod

54.	The f	function of lubrica	tion s	ystem is to	:					
	(A)	Provide cooling	effect		(B)	Prov	ide sealing effec	t		
	(C)	Reduce wear			(D)	All o	of the above			
55.	Whic	ch one of the follo	wing	pump is no	t used	d for e	engine lubricatio	n?		
	(A)	Gear type	(B)	Vane type		(C)	Impeller type	(D)	Plung	er type
56.	Feed	pumps in diesel	engine	es are gener	ally n	nount	ed in between :			
	(A)	Tank and filter			(B)	FIP :	and Filter			
	(C)	FIP and Injector			(D)	Injec	ctor and manifol	ld		
57.	Han	d priming device	in a d	iesel engine	is us	efull,	when the engine	is at :		
	(A)	Full load	(B)	Rest		(C)	Idling speed	(D)	Full s	peed
58.	In a	positive crank cas	se ven	tilation sys	tem, t	he blo	ow by gas draw	n from	the cra	ink is fed to
	(A)	Combustion cha	mber		(B)	Inle	t manifold			
	(C)	Exhaust manifo	ld		(D)	A v	ent opened to th	e atmo	sphere	
59.	The	total swept volun	ne in a	ll cylinders	of ar	n engi	ne is called :			
, F. S. C.		Volumetric effic			(B)		erall efficiency			
	(C)	Compression ra			(D)	Cul	oic capacity			
60.	The	material used for	cam s	shaft is :						
	(A)	Alloy steel			(B)	Hig	h carbon steel			
	(C)	Cast iron	ii.		(D)	Mil	d steel			
61.	Adv	vancing of valve o	penin	g is called :						
		Valve overlap	(B)	Valve lag		(C)	Valve lead		(D)	Valve delay

62.	Oct	ane number of pe	etrol i	s generally ra	nges	from	:			
	(A)	80 - 90	(B)	40 - 60		(C)	60 - 70	(D)	100 - 110	
63.	Lou	d popping in car	bureto	or is due to :						
	(A)	Incorrect air - f	uel ra	tio	(B)	Bloc	ked air clean	er		
	(C)	Back firing			(D)	Loo	se mounting	of carbure	etor	
64.	In w	which of the follow	wing	engine have r	nore	therr	nal efficiency	?		
	(A)	Petrol	(B)	Diesel			(C) Gas		(D) Electric	2
65.		n where, the air a	and fu		2002-111		and the state of			
	(A)	Inlet manifold			(B)		nbustion char	nber		
	(C)	Air cleaner			(D)	Carl	buretor			
66.	The	process of adjust	in a th		1	4.11	11 11 6			
00.		process of adjust Phasing								
	(23)	rusing	(B)	Calibration		(C)	Timing	(D)	Bleeding	
67.	The	type of carbureto	r used	l in two whee	eler v	ehick	e is ·			
	(A)		(B)	Solex			Carter	(D)	Zenith	
						(-)	Circo	(2)	Zentri	
68.	Air	leaner is used for	r;							
	(A)	Cleaning the inc	comin	g air for com	busti	on				
	(B)	Reducing the no								
	(C)	To arrest the fla	me dı	iring engine l	back	fire				
	(D)	All of the abov	e							
69.	The f	function of ignition	n coil	is:						
	(A)	To make and br	eak th	e primary cir	cuit					
	(B)	To step down th	e batt	ery voltage						
	(C)	To step up the b	attery	voltage						
	(D)	All of the above								

70.	Spar	k plug gap ranges from :			
	(A)	5 mm - 10 mm (B) 0.5 mm -	1 mm	(C) 1 mm - 5 mm	(D) 0.5 mm - 3.5 mm
71.	MPF	I Engines have MAP sensor. Wh	at is m	eant by MAP?	
	(A)	Manifold Absolute Pressure	(B)	Maximum Air Press	sure
	(C)	Manifold Air Pressure	(D)	Mean Atmospheric	Pressure
72.	Turb	oocharger is worked by the :			
1/3	(A)	Engine crank shaft	(B)	Battery	
	(C)	Exhaust gas	(D)	Incoming air	real root in
73.	Whi	ch one of the following is a pollu	tant su	bstance contained in	the engine exhaust gas ?
	(A)	Hydrocarbon	(B)	Carbon monoxide	
	(C)	Oxides of nitrogen	(D)	All of the above	
31/0	gra.				the state of
74.	EGR	System stands for :			ment (at
	(A)	Exhaust Gas Recovery System			
	(B)	Exhaust Gas Removing System			A 10 C
	(C)	Exhaust Gas Recirculation Syste	em		7.4
	(D)	Exhaust Gas Reducing System			
75.		System controls:			
	(A)	Speed of vehicle (B) Brake eff	ficiency	(C) Skidding	(D) All of the above
76.	Mul	tiple valve technology means :			
	(A)	Enlarging the size of valves	(B)	Providing more nur	mber of valves
	(C)	Improving the quality of valves	(D)	Increasing the speed	d of valve operation
77.	Cata	alytic converter have a coating of	:		
	(A)	Platinum	(B)	Palladium	12
	(C)	Rhodium	(D)	Any of the above	

78.	Dura	ation of the vehicl	e peri	mit is :						
	(A)	5 years	(B)	3 years		(C) 1 year		(D)	20 years	
79.	Whi	ch one of the follo	wing	traffic sign	is stri	ctly compulso	ry for a d	river	?	
	(A)	Mandatory sign	s		(B)	Informatory	signs			
	(C)	Cautionary sign	s		(D)	All of the abo	ove			
80.	A dr	river must stop the	e vehi	icle, when :						
	(A)	Required to do s	o by	any police o	officer					
	(B)	Involved in an a	ccide	nt						
	(C)	Any pedestrian	crossi	ng the zebi	ra line					
	(D)	All the above cir	rcums	stances						
81.	The Preamble of Indian Constitution is based on the Objectives Resolution drafted by and introduced in the first session of Constituent Assembly.									
	(A)	K.M. Munshi			(B)	B.R. Ambedk	ar			
	(C)	Jawaharlal Nehi	ru		(D)	Sarojini Naid	lu			
82.	India	a adopted the cor	ncept	of constitu	tional	Amendment f	rom		_	
	(A)	South Africa	(B)·	Great Brit	ain	(C) Ireland		(D)	U.S.A.	
83.	Who	acted as represer	ntative	e of Preside	ent in	Union territori	es ?			
	(A)	Attorney Genera	al		(B)	Control and	Auditor (Gener	al	
	(C)	Vice-President			(D)	Lieutenant-G	overnor			
84.	The	Eighth schedule o	of Ind	ian constitu	ation o	leals with				
	(A)	Land reforms			(B)	Languages				
	(C)	Panchayati raj			(D)	Emergency				

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85.	Who	among the fol	lowing	was a mem	iber of	India	n constituent a	ssembly	formed in 1946?
	(A)	Susheela Gop	alan		(B)	Ann	ie Mascreen		
	(C)	Lakshmi N. M	ſenon		(D)	A.V	Kuttiimalu Ar	nma	
86.	Who	was the head	of the c	ommission	appoi	nted i	n 1983 to exam	ine cent	re-state relations ?
	(A)	Rajinder Sing	h Sarka	ria	(B)	Balv	anth Rai Mehta	1	
	(C)	Dinesh Goswa	ami		(D)	Mot	ilal Vora		
87.	Whi	ch day is celebr	ated as	World Bloo	od don	ation	day ?		
	(A)	January 16	(B)	June 14		(C)	October 21	(D)	November 8
88.	Polit	tical parties wer	e broug	tht under R	Right to	Info	rmation Act in	the year	:
	(A)	2012	(B)	2013		(C)	2014	(D)	2015
89.	Indi	a's first fast trac	et court	for dealing	g with	atroci	ties against wo	men and	d children is at :
	(A)	Malda	(B)	Patna		(C)	Pune	(D)	Kochi
									5° 5° 60°
90.	Wild	d life protection	act wa	s passed ir	the y	ear _			
	(A)	1963	(B)	1970		(C)	1972	(D)	1980
91.	The	English newsp	aper "P	'ro-India" v	was sta	arted	by		
	(A)	Chettoor San	karan N	lair	(B)	Che	mbakaraman P	illai	
	(C)	Nilakanda Br	ahmach	nari	(D)	V.O	. Chidambaram	pillai	
92.	Who	o founded Ram	akrishn	a Advaita	Ashran	n at k	Calady ?		
	(A)	Swami Agam	ananda	E	(B)	Bral	nmananda Swa	mi Siva	yogi
	(C)	Vaikunda Sw	amikal		(D)	Vag	bhadananda		

93.	Narayana Guru :									
	(A)	K. Ayyappan	(B)	T.K. Madhavan						
	(C)	Kishnaswami Aiyer	(D)	C.V. Kunjuraman						
94.	The	title "Vayalar Stalin" is associated	l with							
	(A)	C.K. Kumara Panikkar	(B)	R. Shanker						
	(C)	A.P. Udayabhanu	(D)	T.M. Varghese						
95.	Who	was the author of the drama "Pa	attabal	kki"?						
	(A)	C.V. Raman Pillai	(B)	K. Damodaran						
	(C)	M.P. Bhattathiripad	(D)	E.V. Krishnapillai						
96. Who among the following was nominated to Cochin legislative assembly to advice al Namboodiri Bill ?										
	(A)	Parvathy Nenmeni Mangalam	(B)	Arya Pallam						
	(C)	Eshwari Ammal	(D)	Kaumudi Teacher						
97.	Who is known as the father of malayalam typography and printing ?									
	(A)	Herman Gundert	(B)	Benjamin Bailey						
	(C)	Devj Bhimji	(D)	Kandathil Varghese Mappila						
98.	Who	is the author of the work "Prach	eenan	nalayalam" ?						
	(A)	Ayyankali	(B)	C. Krishnan						
	(C)	Poikayl Yohannan	(D)	Chattambi swamikal						
99.	At _ the v	Sree Narayana Guru co vords "Truth, Duty, Kindness and	onsecr d Peac	ated a temple and installed a stone containing e".						
	(A)	Kalavankode	(B)	Aruvippuram						
	(C)	Murakumpuza	(D)	Karamukku						
100.	Who	was the main leader of the Suchi	indran	n Sathyagraha ?						
	(A)	A.K. Gopalan	(B)	Dr. M.E. Naidu						
	(C)	K. Kelappan	(D)	C. Rajagopalachari						

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