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1.	The	name of process o	of cont	rolled wou	nding	on ru	ibber tree for ex	xtraction	n of latex is:
	(A)	Picking	(B)	Sheeting		(C)	Cutting	(D)	Tapping
2.	The	grade of rubber sl	heet w	hich is use	d mai	nly fo	r tyre manufac	turing is	s .1 :
		Lot					RSS - 1		
3.	The	name of plastic w	hich is	used for r	minera	al wat	er and carboniz	zed bevo	erage bottles :
	(A)	Polythene	(B)	Poly prope	elene	(C)	PET	(D)	PVC
4.	Wha	t is the name of f	ibre wl	hich is extr	acted	from	coconut husk?		
	(A)	Coir	(B)	Jute		(C)	Cotton	(D)	Linen
5.		is a comm				100		(T)	D 1
	(A)	PET	(B)	Teflon		(C)	Acrylic	(D)	Polythene
6.		is the ISN	R grad	le which d	oesn't	show	storage hardn	ess.	
	(A)	ISNR.50	(B)	ISNR - 20		(C)	ISNR - 3	(D)	ISNR 3 CV
7.	Rain	gardening is use	d in ru	ibber tree f	or				
		Tapping in rainy						ason	
	1000	Organic farming							ain
8.		t type of printing ded multi layer p	CONTRACTOR OF THE CONTRACTOR			multy	colour photo	graphic	design pictures in
	(A)	Screen printing			(B)	Grav	iour		35
	(C)	Flexographic pri	inting		(D)	None	of these		
9.	Wha	t is the scientific r	name o	f rubber yi	elding	g trees	mostly cultiva	ted in K	Kerala ?
		Castilla elastic			(B)	The same	nenium argenta		
	(C)	Hevea brazeelier	nsis		(D)	Gagu	ilee		
10.	Diffe	erent types of rubl	ber tree	es are calle	d:				
METERS.		Genesis		Clone		(C)	Brand	(D)	Plantation

11.	The origin land							
	(A) Kerala	(B)	Brazil		(C)	Argentina	(D)	America
12.	The chemical u							
	(A) Ammon	ia (B)	Acetic acid	d	(C)	Formic acid	d (D)	Sulphuric acid
13.	is	the acid usua	ally used to	coagu	lating	skim rubbe	er.	
	(A) Formic a	icid		(B)	Sulpl	huric acid		
	(C) Acetic ac	cid		(D)	Hydi	rochloric ac	id	
14.	The best grade	of creep rub	ber is:					
	(A) EBC	(B)	PLC		(C)	Sheet	(D)	Crumb
15.	Example of a	natural fibre	is:					
	(A) Coir	(B)	Polyester		(C)	Nylon	(D)	Aramid
16.	Jute is made f	rom	_ part of the	he tree				
	(A) Seeds	(B)	Leaf		(C)	Flower	(D)	Stem
17.	is	the monome	er of polyeth	nylene.				
	(A) CH ₂ =C	H ₂		(B)	CH ₂	=CH-Cl		
	(C) $CH_2 = C$	HC = N		(D)	CH ₂	=CH-CH	3	
18.	is	the chemica	l name of N	Vatural	Rubl	oer.		
	(A) Trans 1,	4 Polyisopre	ene	(B)	Cis :	l, 4 Polyisoj	prene	
	(C) Polyisol							
19.	Among the fo	ollowing	is th	ne tech	micall	y specified	rubber.	
	(A) Sheet R							Cup Lump
20.	DRC of norm	al latex is ge	nerally in tl	ne rang	ge of		%.	
	(A) 1.5 - 10	(B)	10 - 15		(C)	60 - 65	(D)	30 - 35
21.	Among the fo	ollowing whi	ch plastic is	water	solub	le ?		
	(A) PET		PVC			PVA	(D)	PMMA

22.	Whi	ch fibre is widely	used	as tyre core	ls?				
	(A)	Coir	(B)	Nylon		(C)	Polypropylene	(D)	Acrylic
23.	Amo	ong the following,	selec	t the compo	onent	of a ty	re where steel w	ire is t	usually seen :
	(A)	Tread	(B)	Side wall		(C)	Bead	(D)	Inner liner
24.	Wha	at is the full form	of PV	'C ?					
	(A)	Poly Vinyl Chlor	ide		(B)	Poly	Vinyl Acetate		
	(C)	Poly Vinylene C	hlori	de	(D)	Poly	Vinyl Alcohol		
25.	Nylo	on - 6 is manufact	ured	from:					
	(A)	Caprolactum							
	(B)	Adipic acid and	hexa	methylene	diami	ne			
	(C)	Sebasic acid and	hexa	amethylene	diami	ne			
	(D)	Maleic anhydrid	e an	d hexamethy	ylene				
26.	Cellt	alose is the main	onst	ituent of mo	ost		fibres.		
	(A)	Synthetic	(B)	Acrylic		(C)	Spandex	(D)	Natural
27.	Chlo	roprene Rubber is	a:						
	(A)	Synthetic	(B)	Acrylic		(C)	Spandex	(D)	Natural
28.	Mast	ication of rubber	mear	ıs :					
	(A)	Improving its cu	ring	rate					
	(B)	A treatment to re	tard	its deteriora	ation (due to	oxidation		
	(C)	Reducing viscosi	ty						
	(D)	Depression of its	freez	ring point					
29.	Rubb	er sheeting is mad	le by	÷					
	(A)	Extrusion			(B)	Dipp	ing		
	(C)	Injection Mouldin	ng		(D)	Caler	ndering		

A

30.		is a th	ermosetti	ing plastic.			in a double of	Translet		
	(A)	PVC	(B)	Bakelite		(C)	Polythene	(D)	Polystyrene	
31.		is a na	atural fib	re.			Transfers to			
	(A)	Polythene	(B)	Dacron		(C)	Nylon - 6	(D)	None of these	
32.	Plast	tic tubes and p	pipes are	generally 1	made b	y	moule	ling.		
		injection					extrusion		transfer	
33.	PMN	AA sheet is m	anufactui	red by :						
	(A)	Bulk Polyme			(B)	Fmu	lsion Polymeri	zation		
	0.5	Solution Pol		on the	(D)		ension Polyme			
	(C)	Solution For	ymerizati	on	(D)	Just	ension rotyme	.112441011		
34.		is a h	omonoly	mor						
3%.			W. Sanda		4	(C)	Rakalita	(D)	Tervlene	
	(A)	rotypropyte	ne (b)	Nyion - 0	0	(0)	Bakelite	(D)	Terytene	
35.	Cont	hetic lattices a	ro mado	by .						
33.	NO STATE	Accordance to the second			(R)	Sucr	ension Polyme	rization		
	(A)		T		A STATE OF	100	and the same of the same of			
	(C)	Solution Pol	ymerizau	ion	(D)	DUIK	Polymerizatio	II.		
36.	1A7bi	ch of the follo	wing is a	n antiovida	int iico	d in r	uhber ?			
50.		Thiokol	wing is a	II diffioxide	(B)		inated Phenol			
	(A)	Carbon			(D)		nesium			
	(C)	Carbon			(0)	iviag	nesium			
37.	Iodii	ne absorption	number (of Carbon I	Black is	used	to measure :			
٥,,		Colour	(B)				Particle size	(D)	Structure	
	(14)	Colour	(0)	Density		(-)	runcie size	(2)	- Caracitare	
38.	VFA	of Latex is in	creased d	lue to :						
					ant	(C)	Bacterial Act	ion (D)	Centrifuging	
	AT THE					No.		ett	lifeth in	
39.	If ac	celerator is no	t used in	a rubber co	mpour	nd and	d after heating	in a pres	s for five minut	es :
	(A)	It becomes u	inder cur	e	(B)	It w	ill not cure			
	(C)	It becomes o	ver cure		(D)	It be	comes exact cu	ire		
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40.	Among the following	which is antiozon	ant			
	(A) Wax	(B) C.B.S.		(C) MBTS	(D)	SP
41.	Latex is a	of rubber.				
	(A) Colloid	(B) Gel		(C) Solution	(D)	None of these
42.	Wearing part of tyre i	s:				
	(A) Sidewall	(B) Tread		(C) Bead	(D)	Belt
43.	Nytryl is a	_ rubber.				
	(A) Heat resistant		(B)	Chemical resistant		
	(C) Aging resistant		(D)	Oil resistant		
44.	Butyl rubber is famou	s for :				
	(A) Oil Resistance		(B)	Chemical Resistance		
	(C) Weather Resista	ince	(D)	Gas Impermeability		
45.	Which resin is used for	or making FRP 2				
20.	(A) PVC		(B)	Unsaturated Polyester	resin	
	(C) Saturated Polye		(D)	None of above		E 15 190
46.	Silica is a	filler.				
1000000	(A) Non-reinforcing		(B)	Reinforcing		
	(C) Semi-reinforcing	3	(D)	Cheapening		
47.	Carbon black increase	es :				
	(A) Hardness		(B)	Tensile strength		
	(C) Modulus		(D)	All these properties		
				200 200 000 000		
48.	Which of the followin	g is a copolymer?				
	(A) PVC	(B) Polythene		(C) Bakelite	(D)	Teflon
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{P.T.O.}

49.	Opti	mum cure tin	ne of a rul	bber comp	ound is	s take	n from a rheograp	ph is:	
	(A)	T - 2	(B)	T - 10		(C)	T - 100	(D)	T - 90
50.	As t	he particle siz	e of carbo	on black in	creases	; hard	lness:		
	(A)	Increases			(B)	Deci	eases		
	(C)	No effect			(D)	Non	e of the above		
51.	Blov	ving agent use	ed in Micr	o Cellular	rubber				
							D.N.P.T.	(D)	C.B.S.
52.	Whi	ch one of the	following	is an ultra	a accele	erator	?		
							TMTD	(D)	ZDC
	(/		(-)			1.28			
53.		is a fl	ame resis	tant synthe	etic rul	ober.			
		SBR			(B)	PBD	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	The State of		n rubber		. 3.1.00		lene Propylene r	ubber	
	(-)								
54.		is a sp	pecial pur	pose synth	netic ru	bber.			
			The same of the sa				rocarbon rubber		
		SBR				EPR			
55.	Cha	ffer strips give	es additio	nal reinfor	cement	to:			
	(A)		ea (B)	Tread are			Bead-area	(D)	Cacas fabric
	(A)		ea (B)	Tread are			Bead area	(D)	Cacas fabric
56.					ea	(C)		(D)	Cacas fabric
56.	The	Side wall ar	used for s		ea	(C)	g system :		Cacas fabric Mtelalic oxides
56.	The	Side wall ar	used for s	ulphur les	ea	(C)	g system :		
56. 57.	The (A)	Side wall ar	used for s (B)	ulphur les CBS	ea s vulca	(C) nizing (C)	g system : Sulphinamides		
	The (A)	Side wall ar curing agent TMTD	used for s (B)	ulphur les CBS	ea s vulca	(C) nizing (C)	g system : Sulphinamides		Mtelalic oxides
	The (A)	Side wall ar curing agent TMTD usual PHR of	used for s (B) Stearic a	ulphur les CBS	ea s vulca	(C) nizinş (C)	g system : Sulphinamides nulation is :	(D)	Mtelalic oxides
	The (A)	Side wall ar curing agent TMTD usual PHR of	used for s (B) Stearic ac (B)	ulphur les CBS	ea s vulca	(C) nizinş (C)	g system : Sulphinamides nulation is :	(D)	Mtelalic oxides
57.	The (A) The (A)	Side wall arcuring agent of TMTD usual PHR of 2.5	used for s (B) Stearic ac (B)	ulphur les CBS	ea s vulca	(C) nizinş (C) le form (C)	g system : Sulphinamides nulation is :	(D)	Mtelalic oxides
57.	The (A) The (A)	Side wall ar curing agent TMTD usual PHR of 2.5	used for s (B) Stearic ac (B) by:	ulphur les CBS	ea s vulca wai sol	(C) nizing (C) le form (C) There	system: Sulphinamides nulation is:	(D)	Mtelalic oxides

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59.	Scor	ch time is:						
	(A)	The time required to	cros linking					
	(B)	Total time of compo	ounding					
	(C)	Time required for a	compound fo	ally vi	ulcanize			
	(D)	Safety time before v	ulcanization	starts				
60.	Whi	le improving Reinford	ement of rub	ber co	ompound:			
	(A)	Increase modulus		(B)	Improve heat resista	nce		
	(C)	Improve specific gra	vity	(D)	Improve oil resistance	e		
61.	1911	is not reinforce	cing filler.					
	(A)	Aluminium silicate		(B)	Silica			
	(C)	Whiting		(D)	Carbon black			
62.	Recl	aimed rubber is produ	uced from :					
	(A)			(B)	Pre-vulcanized latex			
	(C)	Ground vulcanized	rubber	(D)	Creep rubber			

63.		idial tyre carcass, the						
	(A)	45 degree to the circ						
	(B)	90 degree to the circ						
	(C)	60 degree to the circ						
	(D)	180 degree to the cir	rcumstantiai	nne				
64.	Ethy	lene is a plastic prop	vlene is a nla	stic F	But co-polymerizing et	hvlene	and propylene	we
		rubber, Ethylene Pro				.,	and proposed	
	(A)	All are crystalline						
	(B)	All are amorphous						
	(C)	Ethylene propylene	is amorphous	s and	others are crystalline			
	(D)	Ethylene propylene	is crystalline	and c	thers are amorphous			
65.	The	speed ratio of a lab siz	ze mixing mil	l rolle	rs is:			
	(A)	1:1.9 (B)	1:2		(C) 1:1.2	(D)	1:1.3	

66.		force required to produce a certain is lled:	ncrem	ent in extension of a vulcanised rubber specimen
	(A)	Modulus	(B)	Tensile strength
	(C)	Elengation at break	(D)	Tear strength
67.	The	viscosity of the rubber compound	:	
	(A)	increases with temperature	(B)	decreases with temperature
	(C)	no effect	(D)	first increases and the reduces
68.	Unv	ulcanised Natural Rubber is a :		
	(A)	Leanier polymer	(B)	Cross linked polymer
	(C)	Branched polymer	(D)	Co-polymer
69.	Iso e	electric point of Natural rubber late	x is:	
	(A)	1 PH (B) 2 PH		(C) 6.4 PH (D) 4.8 PH
70.	A co	lloid is a:		
	(A)	Visco elastic form of matter		
	(B)	Liquid phase		
	(C)	Rubber particles dissolved in was	er	
	(D)	A system containing two phases;	a dis	persed phase and a dispersion medium
		Service and the service of the service		
71.		ke is form of a colloid.		State of the Control
	(A)	solid in liquid (B) solid in ga	S	(C) gas in liquid (D) liquid in gas
	-	The same strong and		minimum and the state of the st
72.		difference between MC sheet and		
	(A)	MC has open cell structure while		
	(B)	Hawai has fully open cell structu		
	(C)			re while MC has closed cell structure.
	(D)	Based on the specific gravity diff	erence	Large broades in morning mon (19)

73.	During valcanisati	ion : * * * * * * * * * * * * * * * * * *	All Marie and		day bearing a south	
	(A) Raw rubber	become cross link	ed			200
	(B) Raw rubber l	becomes soluble			-Material	
	(C) Raw rubber	become crystalline	2		out to an dischool a	
	(D) The raw rubl	ber soft				
				tens of the second		. 1
74.	Give example for a	an cellular rubber	product :			
	(A) Play ball	di dato Paren se	(B) A	Automobile tube		
	(C) Tubeless tyre		(D) I	Polyurathene foar		
					op in 1 syncer	
75.	Phenol formaldehy	de resin is known	n as:		resident edensie	
	(A) bakelite	(B) perspex	(C) teflon	(D) nylon -	6
76.	Usually in tubeless	s tyres, inner liner	s are made	e of r	ubber.	
	(A) Natural	(B) Halo bu	ityl (C) Nitrile	(D) Neopre	ene
77.	Hardness of Vulca	nized Rubber is n		•	2000000	EFF ME
	(A) Tensile Tester	r	(B) I	Dunlop Tripso me		
	(C) Duro meter		(D) F	Rheometer	e-elg-biles	
		Sec. 10. 10. 14				
78.	Neoprene is the tra					
	(A) Nitryl rubber			The second second		
	(C) Polyurethane				yde	
	recontraupti (0)				440 C. S. S. S. S.	
79.	The fibres produce					
	(A) ethylene glyc	con (B) lignin				
00						
80.	Visco-elastic behav					
	(A) liquid					
	(C) combination	of gas and solid	(D) s	ond	and the second	

81.		ch among the following trary arrest and detenti		he Ind	dian constitution provides protection against th
	(A)	Article 12 (B)	Article 22		(C) Article 27 (D) Article 32
82.	Who	propounded the 'Drai	n of Wealth	The	eory ?
	(A)	A.O. Hume		(B)	Gopalala Krishna Gokhale
	(C)	Dadabhai Naoroji		(D)	Mahatma Gandhi
83.	Whi	ch among the following	g states wer	e part	ty of the Cauvery Water disputes ?
	(A)	Kerala - Karnataka		(B)	Tamil Nadu - Andhra Pradesh
	(C)	Karnataka - Maharas	shtra	(D)	Tamil Nadu - Karnataka
84.	Who	gave shape to a fairly	ambitious (educa	ation policy in Travancore ?
	(A)	Diwan. Sheshayya Sl	nastri	(B)	Diwan, T. Madhava Rao
	(C)	Diwan. Nanoo Pillai		(D)	Diwan T. Rama Rao
85.		ere was Sahodaran Ay ng together under one	r		ed a misra bhojanam (a grand feast of all caste
	(A)	Cherayi (B)	Panniyanl	kara	(C) Chittoor (D) Olavakkode
86.	Who	was officially inaugur	rated the Pa	liyam	a Satyagraha on 4 th December 1947 ?
	(A)	A.K. Gopalan (B)	C. Kesava	n	(C) Arya Pallam (D) P. Priyadatta
87.		was the Prime Minist made ?	er of Madra	s at t	the time of Malabar Temple entry proclamatio
	(A)	T. Prakasham		(B)	C. Rajagopalachari
	(C)	K.V. Reddy Naidu		(D)	Ramakrishna Ranga Rao
88.	Whi	ch among the following	g journal w	as kn	own Ezhava Gazatte ?
	(A)	Bhashaposhini (B)	Mithavadi		(C) Vivekodayam (D) Prabhatam
89.	Whi	ch was the first drama	staged by k	(erala	People's Arts Club (KPAC) in 1951 ?
	(A)	Ente Makanau Sari		(B)	Ningalenne Communistakki
	(C)	Mudiyanaya Puthran		(D)	Puthiya Akasam Puthiya Bhumi

90.	Who was the 12 th Presiden	nt of the Tra	vanco	re Sta	e Congress ?		
	(A) A.V. Kuttimalu Amı	ma	(B)	Lalit	ha Prabhu		
	(C) Akkamma Cheriyan		(D)	Ann	a Chandi		
91.	Who described Dr. Palpu	as the "Politi	ical Fa	ther"	of Ezhavas ?		
	(A) Sree Narayana Guru	í.	(B)	Kum	aran Asan		
	(C) Ritty Lukose		(D)	K. K	elappan		
92.	Who wrote the famous Malayali" ?	work "G.P	. Pilla	ai : N	íahatma Gand	hikku	Margadersiyaya
	(A) Sachidanandan		(B)	Mala	yankeezhu Gop	oalakris	hnan
	(C) T. Padmanabhan		(D)	Panr	nana Ramachar	ndran N	Jair
93.	Who was the founder of t	he Kerala Pu	layar	Maha	Sabha ?		
	(A) Ayyankali		(B)	Velli	kkara Chothi		
	(C) Pokkan Master		(D)	P.K.	Chathan Maste	r	
94.	Who established the Bhasl	naposhini Sa	bha ?				
	(A) Kandathi Varghese	Mappillai	(B)	O.M.	Cheriyan		
	(C) K.C. Kesavan Pillai		(D)	C.S.	Subramaniam F	otti	
95.	In which year S.K. Potta Katha' ?	kkad won t	he Jna	anpith	Award for hi	s nove	'Oru Desathinte
	(A) 1976 (B)	1978		(C)	1980	(D)	1981
96.	Which among the followir by the General Assembly	The second secon	s decl	ared a	s the United Na	ations o	lecade for Women
	(A) 1976 - 1985 (B)	1981 - 199	00	(C)	1983 - 1992	(D)	1986 - 1995
97.	What is the original nam upliftment of the tribals in			ie soc	al activist from	Keral	a working for the
	(A) Sarala Devi (B)	Mercy Ma	thew	(C)	Margret X'avie	er (D)	Sakuntala Devi

98.	Whe	ere is the famous Band	havgarh National	Park	situating ?		
	(A)	Uttarakhand	(B)	Assa	am		
	(C)	Karnataka	(D)	Mad	lhya Pradesh		
99.	Who	was the youngest ma	le to swim the En	glish	channel in 1998	?	
	(A)	Tom Gregory (B)	Kevin Murphy	(C)	John Erikson	(D)	Mihir Sen
100.	Whi	ch is the capital of Bar	bodos ?				
	(A)	Santo Domingo (B)	Delmas	(C)	Bridgetown	(D)	Ponce
			- 0 0	0 -			