PSC Tradesman - Polymer Technology - Technical Education Examination Previous Year Question Paper

Exam Name: Tradesman - Polymer Technology - Technical Education

Date of Test: 17.11.2016

Question Paper Code: 153/2016

Medium of Questions: English



153/2016

1.	The	name of process of	of con	trolled wou	nding	on ru	abber tree for ext	raction	of latex is:
	(A)	Picking	(B)	Sheeting		(C)	Cutting	(D)	Tapping
2.	The	grade of rubber si	heet v	vhich is use	d mai	nly fo	r tyre manufactu	iring is	:.1:
	(A)	Lot	(B)	Off grade		(C)	RSS - 1	(D)	RSS - 4
3.	The	name of plastic w	hich i	is used for 1	miner	al wat	er and carbonize	d beve	erage bottles :
	(A)	Polythene	(B)	Poly prope	elene	(C)	PET	(D)	PVC
4.	Wha	t is the name of f	ibre w	hich is extr	acted	from	coconut husk?		
	(A)	Coir	(B)	Jute		(C)	Cotton	(D)	Linen
28			200						
5.		is a comm	*			1000	1		
	(A)	PET	(B)	Teflon		(C)	Acrylic	(D)	Polythene
6.		is the ISN	R gra	de which d	oesn't	show	storage hardne	SS.	
	(A)	ISNR.50	(B)	ISNR - 20		(C)	ISNR - 3	(D)	ISNR 3 CV
7.	Rain	gardening is use	d in r	ubbar trea f	or				
	(A)	Tapping in rainy			(B)		ving in rainy sea	son	
	(C)	Organic farming							ain
					Western V				
8.		t type of printing ded multi layer p				multy	v colour photo g	raphic	design pictures in
	(A)	Screen printing			(B)	Grav	iour		75
	(C)	Flexographic pri	nting		(D)	None	e of these		
	****					23			
9.		t is the scientific r	iame	of rubber yi	Const.	1141			erala ?
	3/2	Castilla elastic Hevea brazeelier	neie		(B) (D)	Gagu	nenium argentat	tum	
	(0)	Heven Orazeener	1313		(0)	Oug	nee		
10.	Diffe	rent types of rubl	oer tre	es are calle	d:				
		Genesis	(B)	Clone		(C)	Brand	(D)	Plantation
A					3				
									(P.T.O.)

11.		origin land of rul						
	(A)	Kerala	(B)	Brazil	(C)	Argentina	(D)	America
12.		chemical used to	77					
	(A)	Ammonia	(B)	Acetic acid	(C)	Formic acid	(D)	Sulphuric aci
13.		is the aci	d usua	ally used to coag	ulating	skim rubber.		
	(A)	Formic acid		(B)	Sulp	huric acid		
	(C)	Acetic acid		(D)	Hyd	rochloric acid		
14.	The 1	best grade of cre	ep rub	ber is :				
		EBC			(C)	Sheet	(D)	Crumb
82			611					
15.		nple of a natural			100	Nivlos	(D)	Aramid
	(A)	Coir	(B)	Polyester	(C)	Nylon	(D)	Aranna
16.	Jute	is made from _		_ part of the tre	ee.			
	(A)	Seeds	(B)	Leaf	(C)	Flower	(D)	Stem
17.		is the me	onome	er of polyethylen	ie.			
-		CH ₂ =CH ₂				=CH-Cl		
		CH ₂ =CHC=N	V		The second second	$_{2}$ = CH - CH ₃		
						in the same		
18.				l name of Natur				
						1, 4 Polyisoprene		
	(C)	Polyisobutylen	e	(D)) Poly	chioroprene		
19.	Amo	ong the followin	g	is the tec	chnical	ly specified rubbe	er.	
						Crump Rubber		Cup Lump
20.				nerally in the ra			(D)	20 25
	(A)	1.5 - 10	(B)	10 - 15	(C)	60 - 65	(D)	30 - 33
21.	Am	ong the followin	g whic	ch plastic is wate	er solul	ole ?		
		PET		PVC			(D)	PMMA
	12 - 24							
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22.	Whi	ch fibre is widely	used as tyre cord	ls?				
	(A)	Coir	(B) Nylon		(C)	Polypropylene	(D)	Acrylic
23.		ong the following,	select the compo	onent	of a ty	re where steel w	ire is	usually seen :
	(A)	Tread	(B) Side wall		(C)	Bead	(D)	Inner liner
24.	Wha	t is the full form	of PVC ?					
	(A)	Poly Vinyl Chlo	ride	(B)	Poly	Vinyl Acetate		
	(C)	Poly Vinylene C	hloride	(D)	Poly	Vinyl Alcohol		
25.	Niele		16					
43.		on - 6 is manufact	ured from :					
	(A) (B)	Caprolactum	hexamethylene o	diami				
	(C)		hexamethylene					
	(D)		e and hexameth		ine			
	(0)	many arro	e and nexamen	vienc				
26.	Cellu	lose is the main	constituent of mo	ost		fibres.		
	(A)	Synthetic	(B) Acrylic		(C)	Spandex	(D)	Natural
27.	Chla	nameno Bukho i						
41.		roprene Rubber is			10	Constant	(T)	Nt. 1
	(A)	Synthetic	(B) Acrylic		(C)	Spandex	(D)	Natural
28.	Mast	ication of rubber	means:					
	(A)	Improving its cu						
	(B)		etard its deteriora	ation	due to	oxidation		
	(C)	Reducing viscosi						
	(D)	Depression of its	*					
29.	Rubb	er sheeting is mad	de by :					
	(A)	Extrusion		(B)	Dipp	ing		
	(C)	Injection Mouldi	ng	(D)	Caler	ndering		
A				5				153/2016
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30.		is a therm	nosetting plastic.			me a district	West Heat		
	(A)	PVC	(B) Bakelite		(C)	Polythene.	(D)	Polystyrene	
31.		is a natu	ral fibre.			estitus is			
	(A)	Polythene	(B) Dacron		(C)	Nylon - 6	(D)	None of these	
	100		A COLUMN TO SERVICE			E2107 1007			
32.	Plast	ic tubes and pipe	es are generally n	nade t	ov	moul	ding.		
			(B) compressi					transfer	
			1, 10						
33.	PMN	IA sheet is manu	ifactured by :						
	(A)	Bulk Polymeriz		(B)	Emu	lsion Polymer	ization		
	(C)	Solution Polym		(D)		ension Polym			
	1-7			New					
34.		is a home	opolymer.						
			(B) Nylon - 66	5	(C)	Bakelite	(D)	Terylene	
	1/		Markey III				Samet.	mary offer.	
35.	Synt	hetic lattices are	made by :						
		Emulsion Polyn		(B)	Sust	ension Polym	erization		
	10.00	Solution Polym		(D)		Polymerization			
	1-7			THE AC					
36.	Whi	ch of the following	ng is an antioxida	nt use	d in r	ubber ?			
	(A)	Thiokol		(B)		inated Phenol			
	(C)	Carbon		(D)		nesium			
	(-)			1-7	- (5)	e de la composition della comp			
37.	Iodin	ne absorption nu	mber of Carbon B	lack is	s used	l to measure :			
1		Colour	(B) Density			Particle size	(D)	Structure	
	V. S.								
38.	VFA	of Latex is incre	ased due to :						
			(B) Antioxida	int	(C)	Bacterial Ac	tion (D)	Centrifuging	
	100		or any will be		No.		. es	uidelik aray	
39.	If ac	celerator is not us	sed in a rubber con	mpoui	nd an	d after heating	in a pres	s for five minutes	s :
		It becomes und		(B)		ill not cure	150		
			cure						
	1								
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40.	Amo	ong the following	which is antiozo	nant ?			
	(A)	Wax	(B) C.B.S.		(C) MBTS	(D)	SP
41.	Late	x is a	of rubber.				
	(A)	Colloid	(B) Gel		(C) Solution	(D)	None of these
42.		ring part of tyre is					
	(A)	Sidewall	(B) Tread		(C) Bead	(D)	Belt
43.	Nytr	yl is a	rubber				
***		Heat resistant	_ 1400011	(B)	Chemical resistant		
		Aging resistant		(D)	Oil resistant		
44.	Buty	l rubber is famous	s for :				
	(A)	Oil Resistance		(B)	Chemical Resistance		
	(C)	Weather Resista	nce	(D)	Gas Impermeability		
45.		ch resin is used fo	r making FRP?				
	10. 10.	PVC		(B)	Unsaturated Polyester	resin	L 12 12 13 13 13
	(C)	Saturated Polyes	ster resin	(D)	None of above		
46.	Silica	n is a	filler				
20.	(A)	Non-reinforcing		(B)	Reinforcing		
	(C)	Semi-reinforcing		(D)	Cheapening		
47.	Carb	on black increase	s:				
	(A)	Hardness		(B)	Tensile strength		
	(C)	Modulus		(D)	All these properties		
					2		
48.		ch of the following				11421	
	(A)	PVC	(B) Polythene		(C) Bakelite	(D)	Teflon
A				7			153/2010
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49.	Opti	mum cure time o	of a ru	bber compe	ound is	take	n from a rheograp	ph is :	
	(A)	T - 2	(B)	T - 10		(C)	T - 100	(D)	T - 90
50.	As th	ne particle size o	f carbo	on black inc	creases				
	(A)	Increases			(B)	Deci	reases		
	(C)	No effect			(D)	Non	e of the above		
51.	Blow	ring agent used i	n Mic	ro Cellular	rubber	:			The state of the s
	(A)	D.P.G.	(B)	T.M.T.D.		(C)	D.N.P.T.	(D)	C.B.S.
52.		ch one of the fol			accele			223	
	(A)	MBT	(B)	MBTS		(C)	TMTD	(D)	ZDC
53.		is a flam	e resis	tant synthe					
	The Street	SBR			100	PBD			
	(C)	Fluorocarbon r	ubber		(D)	Ethy	lene Propylene r	ubber	
54.		is a spec		40			11		
	(A)	Polybutadiene	rubbei		(B)		rocarbon rubber		
	(C)	SBR			(D)	EPR			
==	Chal	Van steine alvas s	A. History	unal raimform	Total Care	. Best o			
55.		fer strips gives a					Bead area	(D)	Cacas fabric
	(A)	Side wan area	(D)	rread are	ici.	(0)	beau area	(D)	Cacus fabric
56.	The	curing agent use	d for	alphur loss	vulca	nizina	r system :		
50.		TMTD	(B)				Sulphinamides	(D)	Mtelalic oxides
	(4.5)	131112	Yel	CDS		(~)	outprintinges	(-)	
57.	The	usual PHR of St	earic a	cid in a hay	vai sol	e forr	nulation is:		
	(A)		(B)	3		(C)		(D)	30
	114.28		1-7					(-)	inning of the
58.	HAF	is produced by	:						
		Channel Proces			(B)	Ther	rmal Process		
	114/24	Furnace Proces			(D)		p black Process		
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59.	Scor	ch time is:						
	(A)	The time required to	cros linking					
	(B)	Total time of compo	unding					
	(C)	Time required for a	compound fu	lly vi	ulcanize			
	(D)	Safety time before v	ulcanization s	starts				
60.	Whi	le improving Reinford	ement of rub	ber co	ompound:			
	(A)	Increase modulus		(B)	Improve heat resistar	nce		
	(C)	Improve specific gra	vity	(D)	Improve oil resistance	2		
61.	1000	is not reinforc	ing filler.					
	(A)	Aluminium silicate		(B)	Silica			
	(C)	Whiting		(D)	Carbon black			
62.	Recl	aimed rubber is produ	iced from:				,	
	(A)	Rubber compound		(B)	Pre-vulcanized latex			
	(C)	Ground vulcanized	rubber	(D)	Creep rubber			
63.	In ra	adial tyre carcass, the	cords runs at	XII				
	(A)	45 degree to the circ	umstantial lin	ie				
	(B)	90 degree to the circ	umstantial lin	ie				
	(C)	60 degree to the circ	umstantial lin	ne				
	(D)	180 degree to the cir	cumstantial li	ine				
64.	100		The second secon		But co-polymerizing eth	ylene	and propylene	we
		rubber, Ethylene Pro	pylene rubbe	r; the	reason being :			
	(A)	All are crystalline						
	(B)	All are amorphous		10	40.000000			
	(C)		State of the state		others are crystalline			
	(D)	Ethylene propylene i	is crystalline a	and c	thers are amorphous			
			1000	0.00	. 20			
65.		speed ratio of a lab siz		rolle				
	(A)	1:1.9 (B)	1:2		(C) 1:1.2	(D)	1:1.3	
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66.		force required to produce a certain is lled:	ncrem	ent in extension of a v	ulcanised rubber specim
	(A)	Modulus	(B)	Tensile strength	a pagence of the service
	(C)	Elengation at break	(D)	Tear strength	Condition to St.
67.	The	viscosity of the rubber compound	:		
	(A)	increases with temperature	(B)	decreases with temp	perature
	(C)	no effect	(D)	first increases and the	The state of the s
	Jan 1				
68.	Unv	ulcanised Natural Rubber is a :			
	(A)	Leanier polymer	(B)	Cross linked polyme	er
	(C)	Branched polymer	(D)	Co-polymer	
69.	Iso e	electric point of Natural rubber late	ex 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 wa	ter		
	(D)	A system containing two phases;	a disp	persed phase and a d	ispersion medium
71.	Smo	ke is form of a colloid.			
	(A)	solid in liquid (B) solid in ga	ıs	(C) gas in liquid	(D) liquid in gas
72.	The	difference between MC sheet and	Hawa	i sheet:	
	(A)	MC has open cell structure while	Haw	ai has closed cell stru	icture.
	(B)	Hawai has fully open cell structu	ire wh	ile MC has closed cel	l structure.
	(C)	Hawai has inter connected cell st	tructu	re while MC has close	ed cell structure.
	(D)	Based on the specific gravity diff	erence	tares broading t	
153/	2016	Established the second second	10		

73.	Dur	ing valcanisation	1 :	14.29-14.50	West =	eral transmission of albama, was	
	(A)	Raw rubber be	come	cross linked			fifth of
	(B)	Raw rubber be	comes	soluble		r algorit	
	(C)	Raw rubber be	come	crystalline		According to the specifical \$	
	(D)	The raw rubbe	r soft				
						the straining of the second	
74.	Give	e example for an	cellul	ar rubber pr	oduct	· Supplemental services	
	(A)	Play ball	dates h	Second Roy Park	(B)	Automobile tube	
	(C)	Tubeless tyre			(D)	Polyurathene foam	
						The section of the section of	
75.	Pher	nol formaldehyde	e resin	is known a	s:	Detailer eauses	
	(A)	bakelite	(B)	perspex		(C) teflon (D) nylor	1 - 6
76.	Usua	ally in tubeless t	yres, i	nner liners a	ire ma	ide of rubber.	per el (Kit
	(A)	Natural	(B)	Halo buty		(C) Nitrile (D) Neop	rene
77.	Hard	dness of Vulcania	zed Ri	ıbber is mea	sured		MIS OF
	(A)	Tensile Tester			(B)	Dunlop Tripso meter	
	(C)	Duro meter			(D)	Rheometer	
						Maria e ratione marginesses	
78.	Neo	prene is the trade	e nam	e of:		Contract Contract Contract	
	(A)	Nitryl rubber			100	Polychlorophrene	
	Alle	Polyurethane				Phenol formaldehyde	
		Taryot 10				edynamic of the state of the	
79.		fibres produced					
	(A)					(C) polyamides (D) cellul	
						the way on the track of the	
80.				7200M	201	rs is a like behaviour.	
	(A)	-				combination of solid and liquid	
	(C)	combination of	gas ar	nd solid	(D)	solid	
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81.		ch among the following rary arrest and detenti		e Ind	ian constitution provi	des pro	etection against	the
	(A)	Article 12 (B)	Article 22		(C) Article 27	(D)	Article 32	
82.	Who	propounded the 'Drai	n of Wealth	The	ory?			
	(A)	A.O. Hume		(B)	Gopalala Krishna G	okhale		
	(C)	Dadabhai Naoroji		(D)	Mahatma Gandhi			
83.	Whi	ch among the following	g states were	part	Marine Marine Marine Marine Marine			7
	(A)	Kerala - Karnataka		(B)			lesh	
	(C)	Karnataka - Maharas	shtra	(D)	Tamil Nadu - Karna	ataka		
200								
84.		gave shape to a fairly						
		Diwan. Sheshayya Sl	nastri	(B)				
	(C)	Diwan, Nanoo Pillai		(D)	Diwan T. Rama Rac			
0.5	3A71				3 a misma Masianam (a		fount of all as	nkon
85.		re was Sahodaran Ay ng together under one	F		a a misra buojanam (a	granu	reast of all ca	stes
	(A)	Cherayi (B)	Panniyank	ara	(C) Chittoor	(D)	Olavakkode	
86.	Who	was officially inaugur	rated the Pal	liyam	Satyagraha on 4th D	ecembe	r 1947 ?	
	(A)	A.K. Gopalan (B)	C. Kesavar	1	(C) Arya Pallam	(D)	P. Priyadatta	
87.		was the Prime Minist made ?	er of Madra	s at t	he time of Malabar T	emple (entry proclama	tion
	(A)	T. Prakasham		(B)	C. Rajagopalachari			
	(C)	K.V. Reddy Naidu		(D)	Ramakrishna Ranga	Rao		
88.	Whic	ch among the followin	g journal wa	s kn	own Ezhava Gazatte?			
	(A)	Bhashaposhini (B)	Mithavadi		(C) Vivekodayam	(D)	Prabhatam	
-	4124							
89.	2071/207	ch was the first drama	staged by K			100		
	(A)	Ente Makanau Sari		(B)	Ningalenne Commu			
	(C)	Mudiyanaya Puthran		(D)	Puthiya Akasam Pu	thiya B	humi	
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90.	Who	was the 12 th Pres	sident	of the Trav	vanco	re Sta	te Congress ?		
	(A)	A.V. Kuttimalu	Amma	1	(B)	Lalit	ha Prabhu		
	(C)	Akkamma Cheri	iyan		(D)	Ann	a Chandi		
91.	Who	described Dr. Pa	lpu as	the "Politi	cal Fa	ther"	of Ezhavas ?		
	(A)	Sree Narayana C	Guru		(B)	Kum	aran Asan		
	(C)	Ritty Lukose			(D)	K. K	elappan		
92.		wrote the famo	ous w	ork "G.P.	. Pilla	ai : N	fahatma Gand	lhikku	Margadersiyaya
	(A)	Sachidanandan			(B)	Mala	yankeezhu Go	palakris	shnan
	(C)	T. Padmanabhai	n		(D)	Panr	mana Ramachai	ndran N	Vair
93.	Who	was the founder	of the	Kerala Pu	layar	Maha	Sabha ?		
	(A)	Ayyankali			(B)	Velli	kkara Chothi		
	(C)	Pokkan Master			(D)	P.K.	Chathan Maste	PT .	
94.	4042000	established the B Kandathi Varghe			bha?	OM	. Cheriyan		
	(A)	K.C. Kesavan Pi		арршаг			Subramaniam I	Potti	
	(C)	R.C. Resavan F.	цат		(12)	0.0,	Subramaniant I	· Otti	
95.	In w		ottakk	ad won th	he Jna	npitl	Award for hi	s nove	l 'Oru Desathinte
	(A)	1976	(B)	1978		(C)	1980	(D)	1981
96.		ch among the follone General Assem		period wa	s decl	ared a	as the United N	ations o	decade for Women
		1976 - 1985		1981 - 199	0	(C)	1983 - 1992	(D)	1986 - 1995
	10.00	1370 1300	(0)			1-7		V-7	
97.		at is the original i ftment of the triba				e soc	ial activist fron	n Keral	a working for the
	(A)	Sarala Devi	(B)	Mercy Ma	thew	(C)	Margret X'avi	er (D)	Sakuntala Devi
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98. Where is the famous Bandhavgarh National Park situating?

(A) Uttarakhand

(B) Assam

(C) Karnataka

(D) Madhya Pradesh

99. Who was the youngest male to swim the English channel in 1998?

- (A) Tom Gregory (B) Kevin Murphy (C) John Erikson (D) Mihir Sen

100. Which is the capital of Barbodos?

- (A) Santo Domingo (B) Delmas (C) Bridgetown
- (D) Ponce

-000-