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	****	pH of water is	g n it is	adicates that	the s	ample	is:		
1.		Acidic	(B)	Neutral		(C)	Alkaline	(D)	None of these
						rad to	he water horne	,	
2.			ing dise (B)	Typhoid	nside	(C)	be water borne Dysentery	(D)	Cholera
	(A)	Small Pox	(5)	.) [
3.	Wate	er carriage syste	m need	s more :					
	(A)	Men	(B)	Area		(C)	Water	(D)	Money
4.	Sulla	nge is :							
	(A)	Waste water f	from ba	th	(B)		nage from road	1	
	(C)	Industrial liqu	id was	te	(D)	Wast	te water from toi	lets	
-	VA/Isi	ch tran is provi	ded at	the junction	of wa	ste sta	ack with the buil	ding	drain ?
5.	(A)	S - Trap			(B)	Gull	y Trap		
	(C)	Intercepting '	Ггар		(D)	Floo	r Trap		
6.	In c	ase of pipes cor					Vill be: Exponential	(D)	Logarithmic
	(A)	Additive	(B)	Subtractiv	re	(C)	Exponential	(0)	Loguita
7.	Au	nit working pu	rely on	an aerobiosi	s is:				
		Contact Bed	(B)	ASP		(C)	Trickling Filter	(D)	Septic Tank
8.	The	"vice" mostly				(C)	Hand vice	(D)	Bench vice
	(A)	Leg vice	(B)	Pipe vice		(C)	riand vice	(2)	
0	Na	me the valve w	hich pr	events backf	low o	f wate	er is:		
9.		Globe valve	(B)	AND DESCRIPTION OF STREET		(C)	Gate valve	(D)) Flushing valve
	1								
10.	Int	ernal Threads o		are made b			Dista Disa		
	(A)				(B)		ew Plate Dies		
	(C) Pin Spanner	EVA		(D)	laj	os and Wrench		

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11.	A Si	initary sewer	is expecte	a to run:	and all ben	nuces out to		
	(A)	Full	(B)	Half Full	(C)	2/3 Full	(D)	90% Full
12.	The	percentage o	f chlorine	in fresh ble	eaching por	wder is about :		
	(A)	10 - 15	(B)	30 - 35	(C)	20 - 25	(D)	50 - 60
13.	A m	anhole is pro	vided :			Fastern		
	(A)	At every 50		als	(B) At	every corner	AT IS OUR	
	(C)	When flow				en direction or	grade cl	nanges
14.	Befo	ore entering a	manhole	candle is lo	wered into	the manhole :		
	(A)	to illuminat				The said		
	0.0	to detect to:						
	(B)		100	e de la composição de l				
	(C)	to give a sig			nannole			
	(D)	to find out	presence o	r oxygen				
15.	Colo	our of fresh se	wage is :					
	(A)	Green	(B)	Brown	(C)	Gray	(D)	Pink
16.	An i	deal crop of s	sewage irr	igation is :				
	(A)	Banana	(B)	Potato	(C)	Sugarcane	(D)	Beans
17.	A fr	esh sludge be	comes stal	e in :				
	(A)	1 hour	(B)	2 hours	(C)	3 - 4 hours	(D)	6 - 8 hours
18.	рНу	alue of fresh	sewage is	expected to	o be :			
	(A)		(B)	3.5	(C)	8 - 11	(D)	None of these
19.	Fron	n septic tank,				gar to rothing		
757		Soak Pit	(B)			Cess pool	(D)	All of the above
				esta bi e po	4 (0)	- Pool	(2)	and the doore
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20.	In an egg shaped sewer, the maximum discharge occurs when the depth of flow is :													
	(A)	0.25	(B)	0.50		(C)	0.75	(D)	0.95					
21.	B.O.	D means :												
	(A)	Biochemical Ox	ygen	Demand										
	(B)	Biological Oxyg	en De	emand										
	(C)	Bacteriological (Oxyge	en Demand										
	(D)	None of the abo	ve.											
22.		bacteria die if ten	npera		e than	:								
	(A)	50° C	(B)	40° C		(C)	30° C	(D)	25° C					
22	16	ganic matter incre		in courses	the de	mand	of overan was	ill .						
23.			eases	iii sewage,			ease							
	(A)	Increase			(B)		from organ	le to organ	le.					
	(C)	Remain constar	11.		(D)	vary	Hom organ	ic to organ	10					
24.	Piece	es of Papers, Croo	kery,	Scrap, met	als etc	. are c	lassified as :							
	(A)	Refuse			(B)	Rubi	oish							
	(C)	Garbage			(D)	Ash	es and Cinde	rs						
25.	The	circular section of	f a sev	wer is very	comm	on bu	t it is best su	ited when	diameter	is up to:				
	(A)	0.75 m	(B)	1.25 m		(C)	1.5 m	(D)	3 m					
26.	1000	raulically and eco	nomi	cally, the b				arge now i	S:					
	(A)	Circular			(B)		naped							
	(C)	Rectangular			(D)	Non	e of the abov	e						
27.	The	biological decom	positio	on of organ	ic mat	ter in	sewage is ca	lled :						
	(A)	Digestion			(B)		omposition			W.				
	(C)	Dilution		Control ((D)	1 700	e of the abov	e						
	(-)													

28.	. As	compared to ter	nperat	ure of water	, the	tempe	rature of sewag	e is:	
	(A)								
	(B)	Higher							
	(C)	Same							
	(D)	Depends upor	n the a	tmospheric	condi	itions			
29.	Drie	ed sludge is a go	od:						
	(A)	Fuel			(B)	Ma	nure		
	(C)	Filler of a low	lying a	area	(D)		builder		
30.	The	pathogenic bact	eria ca	n be killed b	y:				
	(A)	Chlorination	(B)	Oxidation		(C)	Nitrification	(D)	All of the above
31.	Sew	age sickness of l	and ca	n be said to	occui	r if :			
	(A)	The pores of so	il get o	logged					
	(B)	There is no air	circula	tion through	n soil	pores			
	(C)	Anaerobic cond	dition	occur					
	(D)	All of the abov	e are c	orrect					
32.	Salva	nging is:							
	(A)	Dumping of sol	lid wa	ste		(B)	Sanitary land f	illing o	of solid waste
	(C)	Composting an	d soil	conditioning		(D)	Extraction of e		
33.	Most	ly adopted deter	ntion p	eriod for a s	eptic	tank	under Indian co	ndition	n is:
		12 Hours	(B)	24 Hours		(C)	48 Hours	(D)	72 Hours
34.	A Na	tural method of	dispos	al of sewage	is:				
	(A)	Sewage Irrigation	on		(B)	Septio	Tank Treatmen	nt	
	(C)	Composting			(D)		ed Lagooning		
35.	The n	ninimum diamet	er of n	nanhole oper	ning i	s:			
	(A)	200 cm	(B)	150 cm		(C)	100 cm	(D)	50 cm

36.	Air	Air relief valves are provided :												
	(A)	At pipe		(B)	At low p	oints								
	(C)	At summits		(D)	At pipe j	junctions								
37.	The	system which is most c	common in	India	is:									
	(A)	Dead end system		(B)	Grid Iron	n system								
	(C)	Ring system		(D)	Radial sy	/stem								
38.	The	best coagulant for rem	oving the co	olour o	of water is	:								
	(A)	Lime (B)	Alum		(C) Iro	n Sulphate	(D)	Coppe	er Sulphat					
39.	The	best material of pipe to	be laid un	der wa	ater is :									
	(A)	Cast Iron		(B)	Steel									
	(C)	Cement Concrete		(D)	Asbestos	Cement								
40.	A w	ater supply scheme is t	ısually desi	gned f	for a perio	d of :								
	(A)	5 years (B)	10 years		(C) 20	years	(D)	50 yea	rs					
41.	The	bacteria that can surviv	ve without	oxyge	n is called	:								
	(A)	Facultative bacteria		(B)	Anaerob	ic bacteria								
	(C)	Aerobic bacteria		(D)	Furobic l	bacteria								
42.		momentary pressure p ductor pipe is called :	roduced by	the si	udden stop	opage of mo	ving w	ater in	a closed					
	(A)	Surge		(B)	Water Ju	imp								
	(C)	Hydraulic Jump		(D)	Water H	ammer								
43.	Galv	vanizing means applying	ng a layer o	f :										
	(A)	Aluminium	(B) Lea	d	(C)	Nickel		(D)	Zinc					

44.	44. The valve which operates automatically when the pressure in the pipe exceeds the ser pressure is called:								
	(A)	Safety valve	(B)	Pressure va	alve	(C)	Relief valve	(D)	Reflux valve
45.	Cop	oper sulphate is t	ised in	treatment o	f wat	er for	controlling:		
	(A)	Algae	(B)	Silt		(C)	Bacteria	(D)	Mineral matter
46.	The	first stage in wa	ter trea	atment is:					
	(A)	Disinfection			(B)	Sedi	mentation		
	(C)	Filtration			(D)	Coag	gulation and mi	xing	
47.	Iodi	ne is used to disi	nfect :						
	(A)	Swimming Poo	ol			(B)	Municipal wat	er supp	oly
	(C)	Raw water wit	hout a	ny treatmen	t	(D)	None of the ab	ove	
48.	Disi	nfection is the pr	ocess c	of:					
	(A)	Killing all the l	pacteria		(B)	Killin	ng only pathoge	nic bac	teria
	(C)	Complete destr	uction	of life	(D)	Rem	oval of causative	e organ	isms for disease
49.	Steri	lization is:							
	(A)	Boiling			(B)	Disir	fection		
	(C)	Eliminating all	life		(D)	Killir	ng disease causii	ng orga	nisms
50.	Pota	ssium Permanga	nate is	used for :					
	(A)	Removing orga	nic ma	tter	(B)	Redu	cing hardness		
	(C)	Improving colo	ur		(D)	De-cl	hlorination		
51.	Whic	ch of the followir	ng can	be removed	by F	iltratio	n:		
	(A)	Colour			(B)	Patho	ogenic bacteria		
	(C)	Turbidity			(D)	All o	the above		

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2.	Pres	ence of Lead in Water :						
	(A)	Changes its colour		(B)	Caus	es Turbidity		
	(C)	Causes Alkalinity		(D)	None	e of the above		
3.	The	desirable temperature of	potable wa	iter is	:			
	(A)	20° C (B) 1	0° C		(C)	27° C	(D)	37° C
4.	The	chloride content in the w	ater for pu	blic v	vater	supply should no	ot be i	nore than :
	(A)	250 ppm (B) 1	50 ppm		(C)	80 ppm	(D)	50 ppm
5.	Unit	of Turbidity :						
	(A)	mg/lit		(B)	NTU			
	(C)	Threshold number		(D)	None	e of the above		
6.	рНу	value of sea water is usua	lly:					
	(A)	1		(B)	Betw	een 5 and 7		
	(C)	Between 3 and 5		(D)	Betw	een 8 and 8.3		
57.	For	controlling the growth of	algae, the	chem	ical g	enerally used is :		
	(A)	Copper Sulphate		(B)	Alur	n		
	(C)	Lime		(D)	Blead	ching Powder		
58.	Acid	lity in water is generally	caused by	:				
	(A)	Oxygen (B)	Nitrogen		(C)	Carbon dioxide	(D)	Hydrogen
59.	Any	trap intended to trap :						
	(A)	Water		(B)	Sev	vage of sullage		
		ti 11 macha		(D)) Fu	el gases		
	(0	2) Any fiquid waste						130/20

0.		type urinals are l	best suit	ed to:	В) т	esider	ntial houses		
	(A) (C)	high schools people of same	height				places		
	7			alaba ib	0.202	ilable	quantity for us	se is less	s than:
61.		ne total content o	(B)	on globe, th	e ava	(C)	0.03%	(D)	0.1%
62.	Allx	water that occurs	s below	the surface	of the	earth	is called:		
02.	(A)	Ground water			(B)	Unde	rground water	r	
	(C)	Surface water			(D)	None	of the above		
62	Inc	ewage treatment	plants,	the oil and	greas	e is re	moved by:		
63.	(A)		(B)	Filtration		(C)	Skimming	(D)	Screening
		f the fallow	ring equi	inment can l	be use	ed for	the removal o	f paper	and rags from the
64.	Wh	ers?	mg equ						
	(A)	Claw	(B)	Gouge		(C)	Scraper	(D)	Scoop
65.	All	traps have :							A saturation
) A Filter	(B)	A grating		(C)	A water seal	(D)	A gate valve
66.	Ze	olite process is e	conomic	al up to har	dness	s of :			100
	(A	(1):	(B)	500 mg/li		(C)	50 mg/lit	(D)	100 mg/lit
67	. Su	mmits are the po	oint of :						
0,7	(A				(B)		v pressure		
	(C	and the same of the			(D)	Neg	gative pressure		
68	. If	the fluid particle	s move	in Zig-Zag v	way, I	the flo	w is called:		
) Unsteady	(B)	Non-unifo		(C)	Turbulent	(D)	Transitional
69	. Me	outhpieces are u	sed to n	neasure :					
	(A		(B)	Pressure		(C)	Head	(D)	Rate of flow
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70.	The of:	tendency of a sm	all dr	op of water to rer	main i	in a spherical form	n is d	ue to the property
	(A)	Viscosity	(B)	Adhesion	(C)	Capillary action	n (D)	Surface tension
71.	Sew	age is :				A NOT A PROPERTY.		
	(A)	Drainage from	road					
	(B)	Any waste water	er of c	lomestic or indus	trial o	rigin		
	(C)	Waste water fro	m ba	th rooms				
	(D)	Waste water fro	m kit	rchen				
72.	Kidı	ney damage may	be car	used due to the e	xcess	concentration of :		
	(A)	Fluorides	(B)	Nitrates	(C)	Chlorides	(D)	Nitrites
73.	Iron	in water causes :						
	(A)			Eutrophication	(C)	Rust	(D)	Corrosion
74.	In d	rinking water nur	nber (of coliform bacter	ia sho	ould not exceed:		
	(A)	1/100 ml	(B)	0/100 ml	(C)	10/100 ml	(D)	100/100 ml
75.	Whe	n a canal runs ab	ove tl	ne drain, the cross	s drain	nage work provid	led is	
	(A)	Canal syphon	(B)	Super passage	(C)	Aqueduct	(D)	Level crossing
76.	The	weight of silt carr	ied by	v the river per un	it volu	ame of water is te	rmed	as:
		Silt grade	(B)			Silt ratio		
			. ,		1-/		1-1	
77.	The	most efficient tria	ngula	r section, the bott	om a	ngle is :		
	(A)	60° C	(B)	90° C	(C)	45° C	(D)	120° C
78.	The	irrigation canals a	re ge	nerally aligned al	ong :			
		Ridge line	(B)			Contour line	(D)	Valley line
	(2.1)	imgo mic	(0)	outing in the	(0)	Comour mic	(0)	vancy line
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79	. Te	st for BOD is us	sually m	ade at a ter	nperat	ure of			
	(A) 10° C	(B)	20° C		(C)	37° C	(D)	0° C
80	. Мо	ost modern met	hod of c	ollection, tr	eatme	nt and	l disposal is :		
	(A)) Separate Sys	tem		(B)	Cor	servancy Syste	m	
	(C)	Water carria	ge Syste	m	(D)		nbined System		
81.	The	e 16th NAM (No	n-Align	ment) Sum	mit of	2012	was held in :		
	(A)		(B)	Bahrain		(C)	Kuwait	(D)	Iran
82.	The	recently found	mamm	al by the Sc	cience 1	World	is in :		
	(A)	Columbia	(B)	Peru		(C)	Chile	(D)	Bolivia
83.	Wh	o won the Natio	onal Bes	t Actor Aw	vard 20	713 ?			
	(A)	Mammothy	(B)	Irfan Kha	ın	(C)	Aamir Khan	(D)	Kamal Hasan
84.	Sma	ll rivers that flo	w into t	he main riv	ver are	called	1:		
	(A)	Distributaries	(B)	Perennial	rivers	(C)	Tributaries	(D)	Seasonal river
85.	"As	civilization adv	ances, p	oetry almo	st nece	ssaril	y declines" is a	ssociate	d with :
	(A)	Alfred Lord T	ennyson		(B)	Lord	Macaulay		
	(C)	Shakespeare			(D)	Word	lsworth		
86.	The	first plastic was	te free d	istrict of In	dia :				
	(A)	Kottayam	(B)	Darjeeling		(C)	Kozhikode	(D)	None of these
87.	The c	demand for a se	parate s	tate 'Kuki'	is activ	ve in v	which of the fol	lowing	state ?
	(A)	West Bengal		Sikkim			Bihar	(2.00)	Manipur
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88.	Whic	Which part of the sun is visible during total solar eclipse ?											
	(A)	Photosphere											
	(B)	Chromosphere											
	(C)	Corona											
	(D)	No part of the st	un is v	visible which	is fu	lly co	vered by the mo	on					
89.	The	term 'doubling' is	conn	ected with v	which	of the	e following spor	ts?					
		Golf	(B)	Bridge		(C)		(D)	Volley Ball				
90.	The	study of fruits an	d seed	ls is known	as:								
	(A)	Cetology	(B)	Hydrology		(C)	Carpology	(D)	Orology				
91.	The	largest producer	of clo	ves:									
	(A)	Ivory coast	(B)	Tanzania		(C)	Cuba	(D)	Malaysia				
92.	The	capital of Ukrain	e is :										
	(A)	Kiev	(B)	Tashkent		(C)	Moscow	(D)	Bishkek				
93.	Deci	iduous forests car	be fo	ound in area	s whe	ere the	e rainfall is in be	tween					
	(A)	150 and 200 cm	1		(B)	200	and 300 cm						
	(C)	300 and 350 cm	1		(D)	350	and 400 cm						
94.	Whi	ch day is observe	ed as '	Malala Day	(Mala	ala Yo	ousafzai)' ?						
	(A)	July 13	(B)	July 12		(C)	July 7	(D)	July 16				
95.	The	book 'Vedivatton	n' is v	vritten by :									
	(A)	Kavalam Naray	ana l	Panicker	(B)	Mal	ayattor Ramakri	ishnan					
	(C)	V.T. Bhattathir	ipad		(D)	Vay	alar Rama Varn	na					
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96.	6. The birth place of Ayyankali is :								
	(A)	Nedumangad (B) Ne	yyathinkara	(C)	Pettah	(D)	Venganoo		
97.	Who	won the 2013 Ulloor Awa	ard ?						
	(A)	Desamangalam Ramakris	shnan (B)	U.A.	Khadar				
	(C)	P.P. Ramachandran	(D)	Kana	ayi Kunjuramar	1			
98.	Chai	rman of National Literacy	Mission :						
	(A)	Anand Kumar Singh	(B)	Mrir	al Pandey				
	(C)	P.K. Maheswari	(D)	Leela	Samson				
99.	India	ra Sagar Dam is connected	with which o	f the	following rivers	:			
	(A)	Mahanadi (B) Ka	veri	(C)	Godavari	(D)	Narmada		
100.	Red	soil is found in which of the	e following st	ates ?					
	(A)	Gujarat	(B)	Biha	r				
	(C)	Madhya Pradesh	(D)	Hary	rana				
			-000	-					