

 Q.1 Which of the following statement is true? [1] Soaps and detergents both are used only in soft water [2] Soaps and detergents both are used in soft as well as hard water [3] Soap is used only in soft water while detergent can be used in soft as well as hard water [4] Detergent is used only in soft water while soap is used in soft and hard water both Q.2 Which of the following compounds cannot remove grease from the clothes ? 										
[2] Soaps and detergents both are used in soft as well as hard water[3] Soap is used only in soft water while detergent can be used in soft as well as hard water[4] Detergent is used only in soft water while soap is used in soft and hard water both										
[3] Soap is used only in soft water while detergent can be used in soft as well as hard water [4] Detergent is used only in soft water while soap is used in soft and hard water both										
[4] Detergent is used only in soft water while soap is used in soft and hard water both										
0.2 Which of the following compounds connect remove groups from the slathes 2										
Which of the following compounds cannot remove grease from the clothes ?										
[1] Gasoline [2] Potassium palmitate										
[3] Soap [4] Potassium pentanoate										
Q.3 Which of the following is the main compent of bathing soap ?										
[1] Caustic potash [2] Glycerine [3] Potassium glycolate [4] Potassium steara	ite									
Q.4 Which of the following is present in a shaving soap?										
[1] Sodium propionate + Gum + Glycemle										
[2] Sodium palmitate + Glycerine										
[3] Sodium potassium stearate + Gum + Glycerine										
[4] Sodium stearate + Wax + Glycerine										
Q.5 Which of the following catalysts is used in the modern method of preparation of soap by hydrolyst	sis of fat using									
steam?.										
[1] $\phi SO_2 CI$ [2] CaCl ₂ [3] ZnO [4] Conc. H ₂ SO ₄										
Q.6 Triacylglycerol cannot be associated with the following class of compounds :										
[1] Triglyceride [2] Oil and fat [3] Soap [4] Ester										
Q.7 Which of the following componds is insoluble in water?										
[1] Calcium salt of stearic acid [2] Calcium salt of heptadecanesulphonic acid	1									
[3] Magnesium salt of laurylsulphonic acid [4] Potassium salt of palmitic acid										
Q.8 What is the type of particle formed after the contact of sodium stearate molecules with greace p	article ?									
[1] Neutral										
[2] Negatively charged										
[3] Positively charged										
[4] Positively charged from inside and negatively charged from outside										
Q.9 Which of the following is an ordinary soap?										
[1] Sodium stearate [2] Calcium stearate [3] Sodium acetate [4] Sodium benzoate	1									
Q.10 Hydrolysis of anoil by caustic alkali is called ?										
[1] Esterification [2] Saponification [3] Acetylation [4] Carboxylation										
Q.11 Which of the following is not used in the preparation of a soap?										
[1] Palmitic acid [2] Stearic acid [3] Lauric acid [4] Benzoic acid										
Q.12 Which of the following is not a correct statement with regard to stearic acid and oleic acid mole	cules ?									
[1] Both are fatty acids having same number of carbon atoms										
[2] Both are saturated fatty acids										
· · · · · · · · · · · · · · · · · · ·										
[3] One olefinic bond is present in oleic acid										
[3] One olefinic bond is present in oleic acid										
[3] One olefinic bond is present in oleic acid[4] The alkyl group of stearic acid contains 35 hydrogen atoms										

Q.14	Which of the following c	ompounds is formed on h	nydrogenolysis of tristeari	in ?					
	[1] Stearic acid	[2] Octadecyl alcohol	[3] Tricarboxylic acid	[4] Heptadecyl alcohol					
Q.15	Which of the following c	ompounds is formed on o	catalytic hydrogenolysis o	of triolein ?					
	[1] Oleic acid	[2] Glycerol	[3] Stearic acid	[4] Tristearin					
Q.16	Which of the following c	ompounds is not associa	ated with the wax family?						
	[1] Glycerol tristearate	[2] Cetyl palmitate	[3] Melissyl cerotate	[4] Melissyl palmitate					
Q.17	Which of the following c	ompounds are added to v	wax for preparation of car	ndles?					
	[A] Palmitic acid	[B] Stearic acid	[C] Arachidonic acid	[D] Linoleic acid					
	[1] A and B	[2] B and D	[3] A and C	[4] B and C					
Q.18	Which of the following c	ompounds is an example	e of an non-ionic deterger	nt?					
	[1] Trimethyl cerylammo	onium bromide	[2] Sodium lauryl sulpho	onate					
	[3] Pentaerythritol mono	stearate	[4] Sodium cetyl sulpha	ite					
Q.19	Soaps and detergents a	are kept in the family of w	hich of the following types	s of compounds ?					
	[1] Suface active	[2] Surface inactive	[3] Water soluble	[4] Water insoluble					
Q.20	Brazil wax is also know	n by the following other n	ame?						
	[1] Wool wax	[2] Carnauba wax	[3] Beeswax	[4] Spermaceti was					
Q.21	Wool wax is the exter of	f which of the following al	cohols?	~					
	[1] Cholesterol	[2] Cetyl alcohol	[3] Melissyl alcohol	[4] Ceryl alcohol					
Q.22	In the production of soa	p by hot process, the liqu	or left after the separatio	n of soap is called :					
	[1] Spent lye	[2] Sweet lye	[3] Both the above	[4] Soda lye					
Q.23	Soap is :								
	[1] Colloidal electrolyte		[2] Colloidal non-electro	olyte					
	[3] Aerosol	C	[4] None of the above						
Q.24	Detergent can be used	in :							
	[1] Soft water only		[2] Hard water only						
	[3] In both soft and hard		[4] All the ionic solvents	3					
Q.25	Hydrolysis (saponificati	on) of a fat would yield :							
	[1] Ethanol and soap		[2] Ethanol and butanoi						
	[3] Glycerol and soap		[4] Triester of glycerol with fatty acid						
Q.26		tatement is wrong about		[MP PET 1989]					
	[1] They are used in sof	•	[2] They are used both in soft and hard water						
	[3] They decrease the s			ed from benzene sulphonic acid					
Q.27	, i i i i i i i i i i i i i i i i i i i	cid cannot be used for m	o .	[MP PET 1989, 94]					
• • •	[1] Palmitic acid	[2] Stearic acid	[3] Lauric acid	[4] Benzoic acid					
Q.28	Hydrolysis of oil by cau			[MP PMT 1988]					
• • •	[1] Esterification	[2] Saponification	[3] Acetylation	[4] Carboxylation					
Q.29	Fat is :	101.0		[PET 1987]					
0.00	[1] Fatty acid	[2] Soap	[3] Glycerol	[4] Ester					
Q.30	Soap is :	[0] Oslaines ata anata		[PET 1987]					
0.24	[1] Sodium stearate	[2] Calcium stearate	[3] Sodium acetate	[4] Sodium benzoate					
Q.31	Detergent is :		[2] Sodium alkul aulaha	[PET 1988]					
	[1] Sodium stearate		[2] Sodium alkyl sulpho	าเลเษ					
	[3] Potassium butyrate		[4] Sodium oleate						

Q.32	Unsaturated fatty ac	id is :			[PET 1992]
	[1] Stearic acid	[2] Palmitic acid	[3] Oleic acid	[4] Myristic acid	
Q.33	Wax of candle is ma	de up of :			[PET 1992]
	[1] Mixture of higher I	hydrocarbons	[2] Ester of higher fat	y acids	
	[3] Mixture of lower h	ydrocarbons	[4] Mixture of unsatura	ated hydrocarbons	
Q.34	Which statement, ab	oout fats, is incorrect?		[R/	AS Pr. 1995]
	[1] They are ester de	rived from one alcohol onl	у		
	[2] They are saturate	ed and unsaturated carbox	ylic esters of glycol		
	[3] Liquid fats are oft	en referred to as oils			
	[4] They are also call	led triglycerides			
Q.35	What is lye ?				[BHU 1997]
	[1] 10% Solution of N	laOH	[2] 10% solution of K0	н	
	[3] 10% solution of N	aCl	[4] 10% solution of Na		
Q.36	Bath soap is a mixtu	re of :		\mathbf{C}	[CET 1997]
	[1] Potassium salts of	of higher fatty acids	[2] Sodium and calciu	im salts of higher fatty ac	cids
	[3] Potassium palmit	ate and sodium stearate	[4] Sodium salts of hi	gher fatty acids	
Q.37	Oleic, stearic and pa	almitic acids are :		[CET (karna	ataka) 1997]
	[1] Nucleic acids	[2] Amino acids	[3] Fatty acids	[4] None	
Q.38	Surface acitve agent	is:		[J.I.P.N	I.E.R. 1997]
	[1] H ₂ O	[2] C ₁₇ H ₃₆	[3] C ₁₇ H ₂₅ COO⁻Na⁺	[4] None	
Q.39	Metal laurly sulphate	e acts as :		[A.M.U. (Ali	igarh) 1985]
	[1] Soap	[2] Disinfectant	[3] Antiseptic	[4] Detergent	
Q.40	To which of the follow	ving class of organic comp	oounds soap belongs :	[E	3.H.U. 1979]
	[1] Esters	· · · ·	[2] Amines		
	[3] Salts of organic a	icids	[4] Aldehydes		
Q.41	Tributyrin is a fat pre	sent in butter. It is formed	by the combination of bu	tyric acid with : [0	Drissa 1989]
	[1] Glycerol	[2] Oleic acid	[3] Stearic acid	[4] Chloroform	
Q.42		n unsaturated acid obtine		oil is ? [CET (Karna	ataka) 1985]
		[2] Stearic acid		[4] Lauric acid	
Q.43		d found in oils and fats is :		[CET (Karna	ataka) 1987]
	[1] Plamitic acid		[3] Oleic acid		
Q.44	-	animlas, the oil and fats	are hydrolysed by the ena	zymes : [CET (Karna	ataka) 1986]
	[1] Diastase	[2] Zymase	[3] Lipase	[4] None	
Q.45		f fats with caustic soda is			ataka 2000]
	[1] Carboxylation	[2] Acetylation	[3] Saponification	[4] Esterification	
		_			

Answer Key

	EVELCI36																			
Qus.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	3	4	4	3	3	3	1	2	1	2	4	2	4	2	4	1	1	3	1	2
Qus.	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Ans.	1	3	1	3	3	1	4	2	4	1	2	3	1	2	1	1	3	3	4	3
Qus.	41	42	43	44	45			-	-				_	-	-	-		_	-	
Ans.	1	3	1	3	3															

Exercise



			••							
Q.1	Which of the followir	ng substances is not an e	xample of an inorganic antis	septic?						
	[1] Cl ₂	[2] I ₂	[3] SO ₂	[4] Br ₂						
Q.2	Dyer's classification	of dyes cannot be done of	on the basis of the following	character						
	[1] Behaviour	[2] Procedure of dyei	ing [3] Structural unit	[4] Use						
Q.3	Which of the followir	ng medicines is used in th	e treatment of tuberculosis	?						
	[1] Penicillin	[2] Streptomycin	[3] Chloromycetin	[4] Sulphadiazine						
Q.4	Chlorampheniocol m	nedicine is not used in the	treatment of							
	[1] Meningitis	[2] Pneumonia	[3] Typhoid	[4] Tuberculosis						
Q.5	Which of the followir	ng substaces is not used a	as a sedative medicine ?							
	[1] Oxalylurea	[2] Pneumonia	[3] Veronal	[4] Dial						
Q.6	Synthetic pheromon	es, which attract male gy	psy moth are esters of whic	h of the following acids ?						
	[1] Acetic acid	[2] Hexanoic acid	[3] Decanoic acid	[4] Dodecanoic acid						
Q.7	m-Xylohydroquinone	e is the compound of								
	[1] cottonseed oil	[2] pea oil	[3] fungi	[4] civet gland						
Q.8	Which of the followin medicines by conde		he synthesis of a parent com	npound of tranquillisers and sedative						
	[1] Barbituric acid	[2] Barbital	[3] Malonic ester	[4] Parabanic acid						
Q.9			ls of which of the following c							
	[1] Disinfectant	[2] Chemosterilant	[3] Tranquillisers	[4] Plant growth hannones						
Q.10	Benzidine is :	[-]	[-]	[.]						
	[1] Analgesic	[2] Antiallergic	[3] Antidepresant	[4] None						
Q.11		of the following group is p								
-	[1] –NO ₂	[2]–SO ₃ OH	[3] –OH	[4] –NH ₂						
Q.12	2	ered as inorganic antisep								
	[1] Cl ₂	[2] I2	[3] SO ₂	[4] Br ₂						
Q.13	<u>L</u>	ng is a hypontic drug?								
	[1] Luminal	[2] Salol	[3] Catechol	[4] Phenol						
Q.14		g represents a biliquid pro								
	[1] N_2O_4 + acrylic rul		[2] N ₂ O ₄ + UDMH							
		ammonium perchlorat	2 1	[4] Nitroglycerine + nitrocellulose						
Q.15		rosaniline belong to :								
	[1] Azo dyes	[2] Phthalein dyes	[3] Anthraquinone dyes	[4] Triphenylmethane dyes						
Q.16			aused by which of the followi							
	[1] Bathochromic gro		[2] Hypsochromic group	-						
	[3] Chromogens		[4] All the above							
Q.17		not deepens the colour o		nt at position relative to						
	[1] Para	[2] Meta	[3] Ortho	[4] None						
Q.18	Example of monopro		F-1	6 a						
	$[1] CH_3ONO_2$	[2] CH ₃ NO ₂	[3] H ₂ O ₂	[4] All of these						
Q.19	Paracetamol contair	• =	Lel	[·]· o						
	[1] –OH and –NHCO		[2] –OH and –NH ₂ groups							
	$[3] - OH and - SO_2NH$	0 0	[4] –OH and –NHCO CH							
	103 0110100 00 ₂ 111	-2 3. oop		-3 9. 0 4 P 0						

Q.20	The substance which at	ffect the central nervous s	system and induce sleep	are called :								
	[1] Antipyratics	[2] Tranquilizers	[3] Analgesics	[4] None of above								
Q.21	Sulpha drugs are deriva	tives of :										
	[1] Benzenesulphonic a	cid	[2] Sulphanilic acid									
	[3] Sulphanilamide		[4] p–Aminobenzoic aci	d								
Q.22	Which of the following is	s a billiquid propellant?										
	[1] Kerosene + Liquid o	xygen	[2] Nitrocellulose + nitroglycerine									
	[3] Polybutadiene + am	monium perchlorate	[4] Acrylic rubber + liqui	d N ₂ O ₄								
Q.23	A substance which can	act both as an antiseptic	and disinfectant is :									
	[1] Aspirin	[2] Chloroxylenol	[3] Bithional	[4] Phenol								
Q.24	The PSLV rocket propo	ses to use :										
	[1] Only solid propellant	ts	[2] Only monoliquid prop	pellants								
	[3] Only biliquid propella	ants	[4] Both solid biliquid pro	opellants								
Q.25	An example of Vat dye	is :		\mathbf{G}								
	[1] Indigo	[2] Alizarin	[3] Matachite green	[4] Martius yellow								
Q.26	Alizarin a mordant dye	is used in :		<u></u> Х								
	[1] Cotton dyeing	[2] Printing	[3] Painting	[4] Chromium lakes for wool dyeing								
Q.27	Which of the following is	s an azodye :										
	[1] Methyl orange	[2] Phenolphthalein	[3] Malachite green	[4] Methylene blue								
Q.28	Which one of the follow	ing is not used as fuel in I										
	[1] Liquid hydrazine	[2] Liquid hydrogen	[3] Kerosene oil	[4] Liquid oxygen								
Q.29	Which of the following is	s an anthraquinone dye ?										
	[1] Indigo	[2] Malachite green	[3] Aniline yellow	[4] Alizarin								
Q.30		roups whould you introdu		nake it water soluble ?								
	[1]-NO ₂	[2] –Cl	[3]–SO ₃ H	[4] <i>-</i> OH								
Q.31	Which of the following p											
	$[1] - NH_2, -NO_2$	[2] –N=N–, –NR ₂	[3] –N=O, –OH	[4] –NHR, –OH								
Q.32	The "lakes" are :											
	[1] Acid dyes	[2] Azo dyes	[3] Mordant dyes	[4] Metal salt of dyes								
Q.33		pared from phthalic anhyd										
	[1] Phenol	[2] Catechol	[3] Resorcinol	[4] Aminophenol								
Q.34		the following fertilizers in	•	1?								
	[1] Potassium nitrate		[2] Urea									
	[3] Superphosphate of li	me	[4] Ammonium sulphate									

Answer Key

	Exercise																			
Qus.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	4	3	2	4	1	1	2	3	1	3	4	4	1	2	4	1	2	4	4	2
Qus.	21	22	23	24	25	26	27	28	29	30	31	32	33	34						
Ans.	3	1	4	4	1	3	1	4	4	3	4	4	3	4						