Chapter 8 CLEANING ENGINE PARTS

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A. B. C. D.	Use a pencil and Scantron answer form Write your name on the answer form Mark the letter choice of the best answer Do not write on the test						
Machinist A recommends caustic degreasers for recommends caustics for cleaning iron, steel, or a recommend of the recommends caustics.							
	a. b.	A only B only	c. d.	Both A and B Neither A or B			
2.	Mach	Machinist A says that detergent degreasers damage parts made of aluminum. Machinist B says that detergents are safe for cleaning iron, steel, or aluminum. Who is right?					
	a. b.	A only B only	c. d.	Both A and B Neither A or B			
3. Machinist A says that solutions with a pH below 7 are "basic." Machi that solutions with a pH over 7 are "acidic." Who is right?							
	a. b.	A only B only	c. d.	Both A and B Neither A or B			
4.	Machinist A says that bead blasting is safe for cleaning combustion chambers and ports. Machinist B says keep beads out of water jackets and oil passages Who is right?						
	a. b.	A only B only	c. d.	Both A and B Neither A or B			
5.	Prior a. b. c. d.	to bead blasting, de-carbonize steam clean de-scale degrease and dry	pa	arts.			
6.	water			aline or basic solutions removes rust in mersion in acidic solutions removes this			

	a. b.	A only B only	c. d.	Both A and B Neither A or B			
7.	Mach	Machinist A says that immersion in acids removes oil and grease from castings Machinist B says that immersion in caustics removes rust and scale. Who is right?					
	a. b.	A only B only	c. d.	Both A and B Neither A or B			
8.	Cam a. b. c. d.	caustics or cleaning ovens detergents solvents		Il be damaged if cleaned in			
9.	Machinist A says that to remove deposits in ring grooves, use a ring groove scraper. Machinist B says that segments of the old rings work for this purpose. Who is right?						
	a. b.	A only B only	c. d.	Both A and B Neither A or B			
10.	The ba. b. c. d.		fo	r cleaning.			
11. Machinist A says clean piston and rod assemblies in the hot tank. Mac says pistons and rods lock up after immersion in hot detergents. Who							
	a. b.	A only B only	c. d.	Both A and B Neither A or B			
12.	Machinist A says strip intake manifolds of sensors prior to oven cleaning. Machinist B says remove heat shields from the underside to remove deport Who is right?						
	a. b.	A only B only	c. d.	Both A and B Neither A or B			
13.	To the	oroughly clean rocker arm s remove them	shaft as	ssemblies,			

	b. c. d.	disassemble and remove hot tank the assemblies wash assemblies in solve	·	lugs from shafts	
14.	14. Machinist A says that wire flare brushes remove deposits from combustio chambers. Machinist B says that these brushes can damage aluminum h Who is right?				
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
15.	Cros a. b. c. d.	s-contamination between d helps degreasers remove helps descalers remove of neutralizes solutions has no effect on performa	e scale grease	ing and descaling solutions	
16.	The time required for degreasing is reduced by a. agitating parts b. heating solutions c. spraying the solution onto parts d. combinations of these				
17.	Machinist A says do not bead blast cylinder heads. Machinist B says that beads must be kept out of, or removed from, water jackets, oil galleys, and tapped holes. Who is right?				
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
18.	The primary cause of bearing damage is a. lack of oil b. dirt or particle contamination c. improper assembly d. misalignment				
19.	Before installation, oil pump pickup screens must be a. checked for position b. degreased c. degreased and bead blasted d. cleaned or replaced				
20.	Machinist A says that caustics dissolve the carbon in combustion chambers. Machinist B says that no cleaning solution dissolves carbon. Who is right?				

	a. b.	A only B only	c. d.	Both A and B Neither A or B
21.	says			systems block thermostats. Machinist B np seals thereby causing pump failure.
	a. b.	A only B only	c. d.	Both A and B Neither A or B
22.	block	_	Machi	removes all deposits from oil galleys in nist B says that these galleys require ght?
	a. b.	A only B only	c. d.	Both A and B Neither A or B
23.	range			eel in ovens in the 600 to 700-degree F. m heads at no more than 500 degrees F
	a. b.	A only B only	c. d.	Both A and B Neither A or B
24.	a. b. c. d.	secondary or afterburner in _ degrees F. _ 300-400 _ 400-500 _ 500-700 _ 1200-1400	a clear	ning oven operates at approximately
25.	The s a. b. c. d.	secondary burner in a clean cycles on and off to maint goes off when the primary comes on before 400 deg comes on when the prima	ain ten burne rees F	nperature r comes on . and remains on
26.	Petro a. b. c.	leum based oils volatilize ir 200-300 400-500 600-700	the _	degrees F range.

	d.	1100-1400			
27.	Airless a. b. c. d.	s shot blasters use metal shot glass shot glass beads silicon carbide abrasives			
28.	Machinist A says that blasting with steel shot is faster and less labor intensive than bead blasting. Machinist B says do not blast aluminum heads with steel shot. Who is right?				
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
29.	To reca. b. c. d.	duce labor, remove shot and with compressed air in jet washers by tumbling by hot tanks	d bead	s from castings	
30.	Machinist A says that a "Hazardous Waste Generator" produces 220 Pd of waste per year. Machinist B says that 2,200 Pd must be produced per year to b classified as such. Who is right?				
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
31.	Machinist A says that once classified as a generator, waste hauling requires an EPA permit and manifest. Machinist B says contain, label, date, and haul off wastes within the required time limits. Who is right?				
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
32.	Machinist A says that honing oils and grinding coolants in machinery are hazardous wastes. Machinist B says that these materials become hazardous waste only when removed from their processes. Who is right?				
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
33.				especially fast on castings fresh out of at to prevent corrosion, treat castings	

	with rust inhibitor and store them in a dry place. Who is right?				
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
34.	When a. b. c. d.	tumbling small parts, prote spring retainers valve springs valve stems valve faces	ect		
35.	thread			solutions remove rust and scale from wire bore brushes or taps to clean	
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
36.	Ultras a. b. c. d.	conic cleaning works on the molecular explosion molecular implosion solvent action detergency	princip	ole of	
37.	7. Machinist A says that for safety when blowing debris from blind holes, hold a over the hole. Machinist B says that for safety, do not blow-dry parts wet with solvents. Who is right?				
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
38.	88. Machinist A says degrease rubber parts in caustics. Machinist B says degre rubber parts using short cycles in detergents. Who is right?				
	a. b.	A only B only	c. D.	Both A and B Neither A or B	
39.		inist A says clean exhaust o inist B says do this in the cl		vers in hot tanks or spray cabinets. oven. Who is right?	
	a. b.	A only B only	c. d.	Both A and B Neither A or B	
40.	Remo	ove glass beads from castin hot	gs whi	le	

- cold wet dry
- b. c. d.