1. Despite all the new coating materials and all the new and sophisticated equipment for coating work, the need for ________ persists.
   A. perfection
   B. quality
   C. craft
   D. excellence
   CORRECT: C

2. Today, because of the drive by the Environmental Protection Agency to eliminate air pollution as mandated by law, waterborne coatings have ______
   A. proliferated
   B. flourished
   C. been concocted
   D. become popular
   CORRECT: A

3. Which of the following is not a main reason for equipment development?
   A. The desire to increase worker productivity.
   B. The need to meet requirements of cleaning and application for new point materials.
   C. The use of equipment that will be easier on the worker.
   D. The mandate to comply with safety and environmental regulations.
   CORRECT: C
With the establishment of the Occupational Safety and Health Act of ______, especially in the articulation of the Federal Duty clause that employers must provide a safe workplace, the necessity to protect against chemical and other hazards was mandated by law.

A. 1960  
B. 1970  
C. 1980  
D. 1990  
CORRECT: B  

The use of water blast machines has increased dramatically in response to the need to suppress dust in the cleaning process for both safety and environmental reasons.

A. True  
B. False  
C.  
D.  
CORRECT: A  

Which of the following is not a purpose that paints and coating materials are designed to do?

A. Protection  
B. Beautify  
C. Decoration  
D. Function  
CORRECT: B
7. The ______ value of paint gives a residence a distinct appearance.
   A. economic
   B. aesthetic
   C. designated
   D. functional
   CORRECT: B

8. The four basic components of paint are pigments, resins, solvents, and primers.
   A. True
   B. False
   C. 
   D. 
   CORRECT: B

9. In a general sense, a solvent can be defined as a ________ , usually a liquid, that will dissolve a solid.
   A. chemical
   B. binder
   C. substance
   D. resin
   CORRECT: C
10 Excessive solvent inhalation can displace the oxygen-carrying capacity of the lungs and result in an oxygen deficiency narcosis, a stuporous condition that may lead to unconsciousness and

A. death
B. paralysis
C. coma
A paranoia
CORRECT: B

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11 Slow-volatilizing ester solvents also are used as solvents (the last solvents to evaporate) in waterborne acrylic emulsions to aid film formation, solvent-borne coatings to maintain solvency and to reduce resin precipitation.

A. polar
B. bondings
C. tail(s) A water-miscible
CORRECT: C

Painting & Decorating Craftsman's Manual and Textbook Page 12

12 In architectural coatings, for instance, pigments provide ________ as well as protection against ultraviolet rays of the sun, moisture, and airborne contaminants.

A. color
B. shine
C. detail A contrast
CORRECT: A

When a coating is used to prevent moisture from reaching ________, its protective property is called barrier protection.

A. the outside  
B. a surface  
C. the outer layer  
D. through

CORRECT: B  
Painting & Decorating Craftsman's Manual and Textbook Page 14

A resin is the fusible material that binds or holds the solid, nonvolatile particles of the coating together and to the substrate.

A. True  
B. False  
C.  
D.  

CORRECT: A  
Painting & Decorating Craftsman's Manual and Textbook Page 15

In the formulation of paint, a number of ___ compounds are added for special purposes.

A. chemical  
B. mixed  
C. miscellaneous  
D. special

CORRECT: C  
Painting & Decorating Craftsman's Manual and Textbook Page 16
16  Fungicides are chemical agents that may be added to paint to prevent the growth of mold and mildew, which feed upon some __________ of paint film.
   A. areas  
   B. pieces  
   C. parts  
   D. components  
   CORRECT: D  

17  Ultraviolet light, particularly in the actinic region of 280 to 315 nanometers, can __________ exterior paint films.
   A. alter  
   B. degrade  
   C. destroy  
   D. damage  
   CORRECT: B  

18  An oil is classified as a drying oil if, when spread out in the air as a thin layer, it changes from a liquid to a __________ with strength, toughness, and hardness.
   A. solid film  
   B. coating  
   C. resin  
   D. metallic salt  
   CORRECT: A
All alkyd coating systems dry initially by solvent evaporation and cure by oxidative crosslinking of the oil.

A. True
B. False
C. 
D. CORRECT: A

Coalescence is the term used for waterborne coatings that________ by evaporation of the water base.

A. formulate
B. redissolve
C. dissolve
D. cure
CORRECT: D

Breathing occurs as a result of pores in the coalesced film that allow passage of________ but retain the large liquid water molecules.

A. air
B. some water droplets
C. water vapor
D. ionic surfaces
CORRECT: C
22 Emulsions based upon a bisphenol epoxy resin and a polyamide crosslinking copolymer were developed in the late

A. 1950s
B. 1960s
C. 1970s
D. 1980s

23 Because of their chemical makeup, coal tar and asphalt coatings generally are __________ and should not be used as mixtures or applied one over the other.

A. compatible
B. different
C. incompatible
D. opposites

24 Chemically cured coatings harden or cure and attain their final resistance properties as a result of a chemical reaction that combines small molecules (mers) to create even smaller molecules (polymers).

A. True
B. False
C.
D.
Painting and Decorating Craftsman's Manual Study

25 Which of the following is not a way that crosslinking occurs?
   
   A. oxidative polymerization  
   B. chemical polymerization  
   C. addition polymerization  
   D. condensation polymerization  
   

26 Polyamide molecules are much ______ than polyamines.
   
   A. easier to work with  
   B. smaller  
   C. larger  
   D. thicker  
   

27 Amine-cured coal tar epoxies generally have greater chemical and moisture resistance, but are more ______ and harder to apply and topcoat than amine adduct and polyamide-cured coal tar epoxies.
   
   A. tough  
   B. adhesive  
   C. resistant  
   D. brittle  
   
   CORRECT: D Painting & Decorating Craftsman's Manual and
28 which of the following is not a feature of the high-build acrylic urethane?

A. Good for immersion service.
B. Excellent weatherability.
C. Gloss and color retention.

A Good chemical resistance.


29 Polyester resins are _______ to alkyd resins except they are not pretreated with a drying oil.

A. likened
B. compared
C. similar

linked

CORRECT: C Painting & Decorating Craftsman's Manual and

30 Phenolic resin, formed from the reaction of phenol with formaldehyde, usually is dissolved in alcohol and applied by spray, dip or roller.

A. True
B. False
C. 

A

CORRECT: A Painting & Decorating Craftsman's Manual and Textbook Page 31
In self-cured / solvent-borne alkyl silicates, the most ______type of alkyl silicate binder is ethyl silicate.

A. common
B. prevalent
C. used
D. select


A primer, as the word implies, is the first coat of paint in a ______ system.

A. layered
B. complex
C. detailed
D. multicoat

CORRECT: D Painting & Decorating Craftsman's Manual and Textbook Page 33

When painting wood, it is suitable to apply a waterborne emulsion coating ______on oil pre-primer or an alkyd or oil-based primer.

A. over
B. under
C. along with
D. in addition to

CORRECT: A Painting & Decorating Craftsman's Manual and Textbook Page 34
Most primers are pigmented well below their critical pigment volume concentration, which is the ratio of pigment to binder at which the binder ______ completely wet and coat all pigment particles.

A. can  
B. cannot  
C. will  
D. might  
CORRECT: B  

Undercoats, sometimes called ________ coats, provide hiding power and a smooth surface for finish coats.

A. bottom  
B. in-between  
C. intermediate  
D. layered  
CORRECT: C  

Lacquer is a ________ drying coating that provides a tough and durable finish for industrial applications as well as household uses such as furniture.

A. slow  
B. quick  
C. fast  
D. long  
CORRECT: C
Painting and Decorating Craftsman's Manual Study

37  Stains are designed to carry deeply into wood; therefore, the solids content may be very high.

   A. True
   B. False
   C. 
   D. CORRECT: B

Painting & Decorating
Craftsman's
Manual and Textbook Page 38

38  Fillers are thick, heavily pigmented materials applied by roller, spray, squeegee, or trowel to ________ voids or pores in a concrete or masonry substrate.

   A. flatten
   B. fill
   C. level
   D. cover

CORRECT: B
Painting & Decorating
Craftsman's
Manual and Textbook Page 39

39  Wood fillers often are used for open-grain woods, such as oak, ash chestnut and walnut, to avoid a surface with a ________ appearance.

   A. blotched
   B. mottled
   C. tough
   D. pitted

CORRECT: D
Painting & Decorating
Craftsman’s
Manual and Textbook Page 40
40 A finish coat is formulated specifically for two purposes - environmental resistance and ________
   A. quality
   B. appearance
   C. gloss
   D. protection
   CORRECT: B  Painting & Decorating Craftsman's Manual and Textbook Page 41

41 Finish coats differ from intermediate coats or primers in the use of more _____ hiding pigments, such as rutile titanium dioxide.
   A. intense
   B. subtle
   C. expensive
   D. durable
   CORRECT: C  Painting & Decorating Craftsman's Manual and Textbook Page 42

42 Dry fall/fog coatings are particularly useful for coating interior ceilings, ceiling trusses, and other ______ surfaces where over spray or contamination from falling paint may occur.
   A. high
   B. such
   C. unreachable
   D. uneven
   CORRECT: A  Painting & Decorating Craftsman's Manual and Textbook Page 43
Increased thickness of an epoxy flooring system will result in better resistance to abrasion and traffic.

A. True  
B. False  
C.  

A  
CORRECT: A  
Painting & Decorating Craftsman’s Manual and Textbook Page 44

Fire-retardant coatings fall into two general categories; those formulated specifically to prevent or reduce flame spread and burning, and those formulated for intumescences and insulation to ________ an underlying substrate from combustion or heat damage.

A. keep  
B. prevent  
C. save  
A protect  
CORRECT: C  
Painting & Decorating Craftsman’s Manual and Textbook Page 45

Liquid coating encapsulants are used to ________ and seal a surface previously coated with lead-based paint.

A. cover  
B. protect  
C. layer  
A smooth  
CORRECT: A  
Painting & Decorating Craftsman’s Manual and Textbook Page 46
Painting and Decorating Craftsman's Manual Study

46. the most basic cleaning material, will remove dirt and other visible contaminants as well as some non-visible contaminants, such as salts and chlorides.

A. detergent
B. water
C. bleach
D. solvent

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 47

47. Nonflammable removers developed with replacement ingredients for methylene chloride also are ______ paint and varnish strippers, but they generally do not work as fast, and contractors have had to adjust to the longer time required for these products to work.

A. worthwhile
B. effective
C. good
D. adequate

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 48

48. Use of alkali strippers on wood _______ causes excessive raising of the grain and darkening of the wood fibers.

A. often
B. sometimes
C. seldom
D. usually

CORRECT: D

Painting & Decorating Craftsman's Manual and Textbook Page 49
49  Putties are recommended for highly porous surfaces such as drywall.
   A.  True
   B.  False
   C.  
   A

50  Which of the following do polyurethane caulks not have excellent resistance to?
   A.  weather
   B.  ultraviolet light
   C.  chemicals
   A  moisture
   CORRECT: C  Painting & Decorating Craftsman's Manual and Textbook Page 51

51  Extruded tapes are used as _______ seals at cracks, joints, or other areas where moisture may penetrate or heat may escape, or as permanent seals where appearance is not of prime importance.
   A.  temporary
   B.  permanent
   C.  waterproof A strong
   CORRECT: A  Painting & Decorating Craftsman's Manual and Textbook Page 52
Bleaches are used to restore natural color to stained or discolored woods or to make woods **lighter** in color.

A. different
B. darker
C. lighter  **A whiter**


Surface preparation is considered the most important factor in a **successful** painting job.

A. quality
B. successful
C. finished  **A good**


Surface profile is another important element of surface preparation to **ensure** proper coating adhesion.

A. promote
B. guarantee
C. ensure  **A create**

No matter what type of surface is involved, the goal of surface preparation is to create proper conditions for a coating to adhere and form a strong, durable, attractive protection against contamination and deterioration.

A. True
B. False
C. 
D. CORRECT: A Painting & Decorating Craftsman’s Manual and Textbook Page 57

If previously coated interior woodwork is in good condition, the surface may only need to be _____ before recoating.

A. sanded
B. wiped
C. primed
D. cleaned
CORRECT: D Painting & Decorating Craftsman’s Manual and Textbook Page 58

Moisture is a major cause of coating problems, so it is ______ that concrete be sufficiently cured for good coating adhesion.

A. necessary
B. vital
C. crucial
D. important
CORRECT: B Painting & Decorating Craftsman’s Manual and Textbook Page 59
Painting and Decorating Craftsman's Manual Study

58 Laitance - a thin, weak, brittle layer of cement that results from the mixture being overwet or overworked when it was __________ - is a form defect.

A. poured  
B. mixed  
C. used  
D. stirred  

CORRECT: A

59 Conventional plaster will set, or undergo the chemical reaction needed for curing, within about __________ hours.

A. two  
B. three  
C. four  
D. five  

CORRECT: C

60 If you plan to paint a plaster wall after removing wallpaper and glue, __________ the surface like new plaster.

A. prepare  
B. treat  
C. smooth  
D. clean  

CORRECT: B
Other metals may be harder to paint than steel, but still need good surface preparation for a coating to last.

A. True  
B. False  
C.  
A  
CORRECT: B  

New galvanized steel should be allowed to weather for months for proper adhesion.

A. three  
B. six  
C. nine  
A twelve  
CORRECT: B  

Which of the following will solvents not take off?

A. dirt  
B. rust  
C. oil  
A grease  
CORRECT: B
64 The distillation process for recycling a solvent involves it.

A. canning  
B. burying  
C. evaporating  
D. burning  
CORRECT: C  

65 As noted, the best way to eliminate mold and mildew is to ________ them with household bleach, either full strength or diluted, and then wash the surface with detergent and rinse it thoroughly with water.

A. soak  
B. wash  
C. treat  
D. scrub  
CORRECT: C  

66 When using hand tools, it is important not to ________ the surface or raise burrs that may later protrude through the coating and allow a place for rust to begin.

A. scar  
B. scratch  
C. damage  
D. scrape  
CORRECT: A
Power tools can be used in confined areas and they are ________ for removing limited amounts of most contaminants.

A. excellent  
B. used  
C. proper  
D. economical  
CORRECT: D

Detergents emulsify, disperse, and dissolve soil.

A. True  
B. False  
C.  
D.  
CORRECT: A

A common procedure for using a thick, gel-like type of chemical stripper is to apply a liberal coating, give it time to work, and then remove the ________ paint.

A. peeling  
B. blistering  
C. old  
D. burned  
CORRECT: B
Air abrasive blasting works by_________ small particles of abrasives at high speed against metal, masonry and other surfaces.

A. aiming
B. shooting
C. propelling
D. splashing
CORRECT: C

Using high pressure water to clean steel and concrete is called water jetting when the pressure exceeds ________ psi.

A. 5,000
B. 10,000
C. 15,000
D. 20,000
CORRECT: B

It is more practical to etch horizontal than vertical surfaces, where the acid cannot be controlled, and etching is not as effective as blasting for ________ surfaces.

A. smooth
B. dense
C. uneven
D. concrete
CORRECT: B
73 What is not one of caulks many features?
   A. inexpensive
   B. easy to use
   C. white in color
   A lasts a long time
   CORRECT: C  Painting & Decorating Craftsman's Manual and Textbook Page 75

74 A common repair material for filling cracks in cement, stucco, and stone is two parts Portland cement to three parts sand mixed with water to an appropriate consistency.
   A. True
   B. False
   C. 
   A
   CORRECT: B  Painting & Decorating Craftsman's Manual and Textbook Page 75

75 Fiberglass has been used extensively since the early
    ___________ to repair both steel and concrete structures.
   A. 1950s
   B. 1960s
   C. 1970s
   A 1980s
   CORRECT: B  Painting & Decorating Craftsman's Manual and Textbook Page 77
When spackling or patching a plaster surface, any hole or crack more than \( \frac{3}{8} \) of an inch wide should be backed with an inactive material, such as closed cell polyethylene, for the best possible bond.

A. 1/4  
B. 1/2  
C. 3/8  
D. 3/4  
CORRECT: C

Any number of things can go wrong with a surface, but as a general rule, never paint a ________

A. bump  
B. hole  
C. dirty surface  
D. problem  
CORRECT: D

Concrete should generally cure for at least__________

A. 28  
B. 35  
C. 40  
D. 45  
CORRECT: A
The two primary areas of concern to inspectors in surface preparation of steel are cleanliness and

A. quality work
B. profile
C. Godliness
D. heat

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 81

Drywall surfaces require different levels of finish depending on their location, lighting conditions, decorative treatments, and other factors.

A. True
B. False
C. 
D. 

CORRECT: A

Painting & Decorating Craftsman’s Manual and Textbook Page 82

In evaluating existing coatings, inspectors do not check:

A. the quality of paint adhesion.
B. the quality of the primer.
C. the film thickness.
D. the condition of the substrate.

CORRECT: B

Painting & Decorating Craftsman’s Manual and Textbook Page 83
Working with hand tools is relatively safe, but still requires attention to basic safety guidelines. To all but which of the following

A. wear protective eyewear
B. keep tools in good condition
C. always wear earplugs
D. never throw tools

CORRECT: C

When using solvents, rags become contaminated quickly, so replace them ________

A. as necessary
B. daily
C. whenever possible

A frequently

CORRECT: A

The full range of grades of sandpaper go from 12 to

A. 200
B. 400
C. 600 A 800

CORRECT: C
are used as a guide for trimming and as a shield to protect adjacent areas from spatter when painting.

A. rulers
B. small boards
C. carving knives
D. broad knives

CORRECT: D

Surface preparation, the foundation of a good painting job, should never begin with washing the surface.

A. True
B. False
C. 
D. 

CORRECT: B

For mild cases of mildew, clean the surface with a mixture of _______ bleach to three or four parts water.

A. one part
B. two parts
C. three parts
D. four parts

CORRECT: A
The inhibitor must be ________ with the new coating because traces of the chemical may remain on the surface after cleaning.

A. agreeable  
B. mixed  
C. compatible  
D. matched  
CORRECT: C  
Painting & Decorating Craftsman's Manual and Textbook Page 92

All tools can be grouped in all but one of the following categories;

A. impact rotary tools  
B. rotary impact tools  
C. rotary tools  
D. impact tools  
CORRECT: A  
Painting & Decorating Craftsman's Manual and Textbook Page 93

Disc sanders and grinders have a revolving flat, circular abrasive that can be used to aggressively remove heavy coatings and other ________

A. foreign objects  
B. contaminants  
C. imperfections  
D. bumpy surfaces  
CORRECT: B  
Painting and Decorating Craftsman's Manual Study

91  Operating wire brushed at too high a speed or holding them in one spot too long may _________ the surface and leave it too smooth and polished to be coated effectively.

  A. burnish
  B. damage
  C. alter
  D. harm

CORRECT: A  Painting & Decorating Craftsman's Manual and Textbook Page 95

92  The benefit of using power tools with an integrated vacuum system are that by removing dust and debris, the workplace is safer and cleaner, and the worker can better.

  A. think
  B. sleep
  C. see
  D. work


93  The air pressure needed to blast steel effectively is ______ psi at the blast nozzle.

  A. 80 to 90
  B. 90 to 100
  C. 100 to 110
  D. 80 to 100

CORRECT: B  Painting & Decorating Craftsman's Manual and Textbook Page 100
The air supply hose, sometimes called the "horse hose," feeds air from the compressor to the blast pot.

A. True  
B. False  
C.  

A CORRECT: B

The larger the nozzle, the faster and more efficiently the work goes. A 1/2 inch nozzle will clean four times as much surface in an hour as a nozzle.

A. 1/4 inch  
B. 1/8 inch  
C. 1/16 inch  

A 1 inch

A CORRECT: A

A __________ can be used to check the air pressure of a blast system.

A. air pressure gauge  
B. needle gauge  
C. tire gauge  

A compressor gauge

A CORRECT: B
97 Which of the following is not a variable that affect the quality and effectiveness of the blasting operation?
   A. stand-off distance
   B. amount of pressure
   C. angle of attack
   D. dwell time
   CORRECT: B

98 The ______ and condition of the substrate being cleaned and the size of the job will determine the kind of water blasting equipment needed.
   A. quality
   B. kind
   C. price
   D. type
   CORRECT: D

99 Working with high pressure water requires extra caution because of the potential risks to workers and the possible damage to nearby _______
   A. property
   B. businesses
   C. houses
   D. equipment
   CORRECT: A
Metallic abrasives can be recycled many times before breaking down into a size too small to be reused.

A. True
B. False
C.
D. CORRECT: A

Slag, the refuse from ________ or other processes, makes a good abrasive because of its availability, relatively low cost, and low silica content.

A. recycling
B. disposal
C. smelting
D. melting
CORRECT: C

Containment is a way to limit dust, debris, paint ships, spent abrasives, and over spray from ________ the environment.

A. polluting
B. damaging
C. destroying
D. contaminating
CORRECT: D
103 The__________ has rules for handling, storing, labeling, shipping, and disposing of hazardous waste.

A. EPA
B. PTA
C. OSHA
D. HEPA

CORRECT: A

Painting & Decorating Craftsman's Manual and Textbook Page 110

104 Painting is a 1-2-3 process, prepare the surface, select the coating, and then apply it.

A. True
B. False
C. 
D. 

CORRECT: A

Painting & Decorating Craftsman's Manual and Textbook Page 113

105 The work of a_____________is marked not only by a knowledge of materials, paintable characteristics of various surfaces, and tools of the trade, but also by methods of procedure on which the value and durability of a job so greatly depend.

A. painter
B. craftsman
C. professional
D. worker

CORRECT:B

Painting & Decorating Craftsman's Manual and Textbook Page 114
Painting and Decorating Craftsman's Manual Study

106 Paints and enamels allowed to stand in ______ or partially filled containers may form a film called skin.

A. closed
B. large
C. opened
D. water


107 There also are jobs, such as priming new, unpainted, or severely weathered wood with oil-based paint, when thinning is recommended. Observe _______ restrictions.

A. VAC
B. ABC
C. NOP
D. VOC

CORRECT: D Painting & Decorating Craftsman’s Manual and Textbook Page 116

108 Some multiple-component paints have an induction time, sometimes called a “sweat-in time,” for the components to start to _______ before the paint can be applied.

A. come together
B. mix
C. react
D. settle

CORRECT: c Painting & Decorating Craftsman’s Manual and Textbook Page 117
As a general rule, don't always choose the largest brush that is suitable for the job.

A. True
B. False
C. 
D. 
CORRECT: B

Painting and decorating contractors and efficient journeymen insist on buying and using quality brushes, which require a few simple rules for care and cleaning.

A. Many
B. Often
C. Most
D. Responsible
CORRECT: D

If a brush is to be used again, clean it well immediately after use, before the paint on it dries, in order to extend its ________ as long as possible.

A. wear
B. condition
C. life
D. usefulness
CORRECT: D
112 Some fast-drying paints may _________ in the fabric of the roller cover after prolonged use, especially outside on windy days. In these conditions, it is good practice to rinse out the cover periodically with the appropriate solvent.

A. dry  
B. thicken  
C. harden  
D. stick

**CORRECT:** B  
Painting & Decorating  
Craftsman’s Manual and Textbook Page 121

113 Spray painting offers all but one of the following advantages:

A. it is much faster  
B. coats more uniformly  
C. covers hard to reach surfaces  
D. it gets the worker high

**CORRECT:** D  
Painting & Decorating  
Craftsman’s Manual and Textbook Page 122

114 In any spraying job, select a coating based on how well it can protect or decorate a specific surface. To ensure a uniform application, follow the instructions on the product label and the application data sheet to mix the paint and thin it, if necessary.

A. True  
B. False  
C.  
D.  

**CORRECT:** A  
Painting & Decorating  
Craftsman’s Manual and Textbook Page 123
conventional air spraying, the airless spraying method does not use compressed air to atomize paint.

A. Like  
B. Unlike  
C. In  
D. When using

CORRECT: B  

To clean airless spray equipment, replace the paint with the appropriate solvent, remove the nozzle tip, and flush the system at the lowest possible setting until the solvent is clear.

A. replace  
B. mix  
C. combine  
D. treat

CORRECT: A

When using an airless spray gun, get into the habit of using the trigger lock and turning off the power anytime the system is not in use.

A. pulling  
B. locking  
C. using  
D. clicking

CORRECT: C
118 High volume - low pressure spray - ________ referred to as HVLP - uses high air volume and low air pressure to atomize and spray the paint.

A. normally
B. commonly
C. often
D. technically

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 127

119 The Electrostatic Spray method charges atomized paint particles with a low voltage electrical current as they leave the spray nozzle.

A. True
B. False
C. 
D. 

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 128

120 Which of the following is not a purpose of thermal spraying?

A. corrosion protection
B. surface conditioning
C. repair of mechanical parts
D. remove rust

CORRECT: D

Painting & Decorating Craftsman's Manual and Textbook Page 129
121 Dip coating is used in _________ to coat small, difficult to paint objects, or fabricated assemblies.
   A. stores
   B. schools
   C. factories
   D. companies
   CORRECT: C

122 Wood finishing is the application of transparent or semitransparent coatings to __________ the wood surface, accentuate the grain markings, enhance the beauty of the natural wood color, change the wood color, or alter the appearance so one type of wood takes on characteristics of another, usually more expensive type.
   A. coat
   B. protect
   C. cover
   D. soak
   CORRECT: B

123 Stains are classified by their vehicle, and their color content.
   A. True
   B. False
   C.
   D.
   CORRECT: B
In refinishing, it sometimes is desirable or necessary to ______ all or parts of the wood after the old finish has been removed.

A. bleach  
B. strip  
C. clean  
D. sand  

CORRECT: A

Things are not always as they seem. That is the principle behind faux finishing, a decorative technique that uses paint and glazing finishes to ______ some of the decorative elements of nature or create other interesting effects.

A. enhance  
B. simulate  
C. imitate  
D. create  

CORRECT: C

Glazing uses transparent or translucent coatings over a ______ surface to produce a special blended effect of their colors.

A. smooth  
B. colored  
C. textured  
D. painted  

CORRECT: D
Painting and Decorating Craftsman's Manual Study

127 _____, both marbling and graining involve applying a ground color and then tracing in the pattern of a particular type of marble or wood grain in other colors, using special tools and implements.

A. Initially
B. Essentially
C. First
D. To begin

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 136

128 Stippling is an easy way to produce an ________ decorative effect. Knowing when to stop may be the hardest part.

A. unusual
B. effective
C. interesting
D. eye-catchin

g CORRECT: C

Painting & Decorating Craftsman's Manual and Textbook Page 137

129 Some multicolor paint consists of droplets of lacquer or oil-based paint suspended in a water-based coating. The droplets may be one or more colors.

A. True
B. False
C.
D.

CORRECT: A

Linings are special coatings designed to protect the inside of tanks and pipelines from corrosion or erosion and to maintain the _________ of the products they process, hold or carry.

A. quality
B. uniqueness
C. purity
D. effectiveness

CORRECT: C Painting & Decorating Craftsman's Manual and Textbook Page 139

is most important when working inside tanks because of the danger of blasting dust as well as toxic and possibly flammable coating materials in a confined area.

A. Caution
B. Proper clothing
C. Solvent-resistant footwear
D. Safety

CORRECT: D Painting & Decorating Craftsman's Manual and Textbook Page 140

Another method of protection is reinforced linings, which are made of layers of chemical-resistant polymers, reinforcing fillers, and additives that form to _________ a solid barrier against corrosion.

A. produce
B. provide
C. make
D. promote

133 Which of the following is not part of the basic equipment needed for quality assurance?

A. surface temperature gauge
B. wet and dry film thickness gauges
C. sling psychometer
D. mathematic tables

CORRECT: D  Painting & Decorating Craftsman's Manual and Textbook Page 142

134 Uneven coating appearance may result from poorly mixed or strained paint, equipment problems, or proper application technique.

A. True
B. False
C. 
D. 

CORRECT: B  Painting & Decorating Craftsman's Manual and Textbook Page 143

135 There are both destructive and nondestructive dry film thickness gauges. Nondestructive gauges measure the film thickness without________ the surface; destructive gauges leave small incisions in the paint surface that must be patched.

A. damaging
B. altering
C. destroying
D. scarring

CORRECT: A  Painting & Decorating Craftsman’s Manual and Textbook Page 144
For the painting contractor and craftsman, it is important to know all the kinds of paint application equipment that are available and to have a good, general understanding of the equipment's capabilities.

A. useable
B. optional
C. available

CORRECT: C

Natural-bristle brushes are recommended most often for application of oil-based materials; synthetic-bristle brushes usually are recommended for applying waterborne materials and some industrial maintenance coatings.

A. primarily
B. most often
C. initially

CORRECT: B

Quality in a brush is determined by several factors that contribute to its durability, its ability to hold paint, and its capability to spread coatings evenly so that brush marks are minimized or eliminated.

A. items
B. factors
C. qualities

CORRECT: B
The typical wall brush is __________ inches wide.

A. 2
B. 3
C. 4
A 5
CORRECT: C  Painting & Decorating Craftsman's Manual and Textbook Page 150

Rollers brought to the industry the opportunity to improve production rates in the application of paint to large, regular surfaces such as floors, ceilings, and walls.

A. True
B. False
C.
A
CORRECT: A  Painting & Decorating Craftsman's Manual and Textbook Page 151

A typical professional roller is __________ inches wide, although rollers can vary in width.

A. 7
B. 8
C. 9
A 1 0
CORRECT: C  Painting & Decorating Craftsman's Manual and Textbook Page 152
142 Paint trays hold the paint supply for the roller. The tray has a well for the paint and a ramp that leads into the well. As the roller is moved back and forth over the ______ surface of the ramp, it works the paint into the roller cover and eliminates excessive loading.

A. roughened
B. irregular
C. bumpy
D. coarse

CORRECT: A

Painting & Decorating Craftsman's Manual and Textbook Page 153

143 Which of the following is not a tool developed to clean rollers after use?

A. curved blade
B. a spinner
C. a sleeve
D. a mitt

CORRECT: D

Painting & Decorating Craftsman's Manual and Textbook Page 154

144 Conventional air spray ________ the craftsman the most control of the application process, usually resulting in a high quality finish.

A. gives
B. presents
C. affords
D. offers

CORRECT: D

Painting & Decorating Craftsman's Manual and Textbook Page 155
The air compressor needs to be large enough to supply air pressure \( \text{at} \) \( \text{to} \) \( \text{pounds per square inch (psi)} \) to the spray system.

A. 70/80  
B. 80/90  
C. 90/100  
A 100/110  
**CORRECT:** C  

In an airless spray system, paint is pressurized and forced through a fluid hose to the nozzle of a spray gun.

A. True  
B. False  
C.  
A  
**CORRECT:** A  

The tip of a spray gun has a specific size and shape of orifice, which determines the spray pattern and flow of the paint.

A. determines  
B. controls  
C. guarantees  
A selects  
**CORRECT:** B
Plural component spraying is a ______ of spraying that automatically mixes and proportions two-component paint materials in the process of delivering them to the spray gun.

A. way  
B. system  
C. method  
D. technique  
CORRECT: C  Painting & Decorating Craftsman's Manual and

Consult the product data sheet or the paint manufacturer about the appropriateness of ______ specific coating materials for electrostatic spraying.

A. selections  
B. choosing  
C. certain  
D. using  

Thermal spraying is useful, although relatively ______, for corrosion control of steel substrates when zinc-aluminum alloys are used.

A. difficult  
B. adhesive  
C. hard-to-handle  
D. expensive  
CORRECT: D  Painting & Decorating Craftsman's Manual and Textbook Page 161
Chances are that on any residential, commercial, or industrial job, _______ climbing equipment is needed to complete surface preparation and application of paint or wallcovering.

A. some type of
B. quality
C. safe
D. a lot of

CORRECT: A

A ladder or stairway must be provided where levels of a work area are separated by _______ inches or more and where there are no other means of access, such as a ramp, runway, sloped embankment or hoist.

A. 15
B. 17
C. 19
D. 21

CORRECT: C

A straight ladder, also known as a single ladder, is self-supporting and has two parallel sides.

A. True
B. False
C.
D.

CORRECT: B
In choosing a ladder, consider its features and how it meets the _________ of the job.

A. requirements  
B. demands  
C. needs  
D. duties

CORRECT: C

The ANSI standards recommend _________ lengths for different kinds of ladders. However, total length is only one factor in choosing the right size ladder for a job.

A. different  
B. maximum  
C. longer  
D. minimum

CORRECT: B

A ladder's size, type, duty rating, highest standing level, maximum working length (if is an extension ladder), and other _________ product information should be found.

A. on the box  
B. in the instructions  
C. on the ladder itself  
D. at the store

CORRECT: C
157 Levelers are side rail attachments that extend to a ________ length and make the ladder level when the surface between the side rails is uneven, such as on a staircase.

A. desired  
B. certain  
C. fixed  
D. longer  
**CORRECT: A** Painting & Decorating Craftsman's Manual and Textbook Page 169

158 Before every use, check a ladder for wear, damage, or missing parts. Any ladder found to be defective should be repaired or ________

A. thrown away  
B. replaced  
C. put away  
D. permanently put away  
**CORRECT: B** Painting & Decorating Craftsman's Manual and Textbook Page 170

159 Always move or extend a ladder from the ground - never from the roof - and never while it is occupied.

A. True  
B. False  
C.  
D.  
**CORRECT: A** Painting & Decorating Craftsman's Manual and Textbook Page 171
A scaffold is any kind of equipment used to support workers or materials and to get them within working reach of

A. the area nearby  
B. window ledges  
C. elevated areas  
D. the roof

CORRECT: C

Scaffolds must be able to support at least __________ their maximum intended load.

A. two times  
B. four times  
C. six times  
D. eight times

CORRECT: B

The other type of scaffolding, known as tubular welded frame scaffolding, uses __________ welded panels of various heights and widths that are joined with horizontal and diagonal braces secured with locking devices.

A. strong  
B. various  
C. metal  
D. prefabricated

CORRECT: D
163 Do not work on a scaffold more than _______ feet high without guardrails, midrails and toe-boards on open sides and ends.

A. 5  
B. 10  
C. 12  
D. 15  
CORRECT: B  
Painting & Decorating Craftsman's Manual and Textbook Page 175

164 According to OSHA regulations, a swing scaffold with a 500-pound working load should carry no more than workers at a time.

A. 2  
B. 3  
C. 4  
D. 5  
CORRECT: A  
Painting & Decorating Craftsman's Manual and Textbook Page 176

165 Keep suspension ropes and cables straight and perpendicular to the platform during use. Affix them to anything to change the line of travel.

A. True  
B. False  
C.  
D.  
CORRECT: B  
Painting & Decorating Craftsman's Manual and Textbook Page 177
Stay off scaffolds during storms or _________: watch for icy or slippery platforms.

A. rain
B. tornadoes
C. high winds
D. hurricanes

CORRECT: C

A horse scaffold is a platform supported by two carpenter horses and designed for light or medium duty use. It should not be more than two tiers or ________ feet high.

A. 5
B. 8
C. 10
D. 12

CORRECT: C

OSHA requires that platform planking be overlapped at least a foot or secured from moving, and that it extend ________ inches over the end supports.

A. 3 to 6
B. 4 to 8
C. 6 to 12
D. 12 to 15

CORRECT: C
169 A boson's chair and a one-man work cage are rigging systems suspended from a single cable or rope and _________ for use by one worker at a time.

A. prepared  
B. designed  
C. rigged up  
D. intended  

170 Successful rigging depends on _________, common sense, and thorough knowledge of the safe uses and limitations of available scaffolding equipment.

A. experience  
B. ability  
C. expertise  
D. inspection  
CORRECT: A  Painting & Decorating Craftsman's Manual and Textbook Page 182

171 The strength of rope or cable used with suspended scaffolding is so important that OSHA and ANSI require it to be able to support at least six times the rated load.

A. True  
B. False  
C.  
D.  
CORRECT: A  Painting & Decorating Craftsman's Manual and Textbook Page 183
Store unused cables coiled and tied in a
A. dark place
B. box
C. locked shed
D. dry location
CORRECT: D

Labor statistics show that __________ are a leading cause of death and injury for construction workers.
A. equipment accidents
B. suspended scaffolds
C. falls
D. equipment failures
CORRECT: C

Lifelines, lanyards, or deceleration devices must be firmly attached to an anchorage, a secure point in a structure that can support at least ______________ pounds for each attached.
A. 1000
B. 2000
C. 3000
D. 5000
CORRECT: D
175 All parts of a personal fall arrest system should be inspected thoroughly before each use for any signs of wear or ________, such as frayed webbing, torn stitching, or loose or damaged hardware.

A. tear  
B. damage  
C. cuts  
D. vandalism

CORRECT: B

176 Safety nets as a form of fall protection must be installed as close as practical beneath the work area, but no more than ________ feet.

A. 10  
B. 20  
C. 30  
D. 40

CORRECT: C

177 Chemical strippers can be extremely harsh upon skin exposure because they are caustic or acidic; some are suspected to be carcinogenic.

A. True  
B. False  
C.  
D.

CORRECT: A
Components of a good attitude about safety include commitment, forethought, and ________

A. education  
B. training  
C. common sense  
D. alertness  
CORRECT: D

Forethought or planning is critical to safety. Accidents __________ if you let them, but if you take a proactive approach by anticipating dangers and planning ways to avoid them, then accidents can be reduced dramatically.

A. occur  
B. are there  
C. happen  
D. materialize  
CORRECT: C

Cleaning and painting equipment as well as equipment used to gain access to tall structures should be ________ before every job, and their potential hazards should be reviewed.

A. thought of  
B. considered  
C. contemplated  
D. reviewed  
CORRECT: B
Workers are ______ to be alert to danger; they are motivated to be alert by positive and negative reward systems.

A. educated  
B. prepared  
C. taught  
D. trained  
CORRECT: D

One of the Rights that an employer has is to contest a citation within ______ days.

A. 5  
B. 10  
C. 15  
D. 21  
CORRECT: C

Vapor pressure and evaporation rate indicate how easily a substance releases vapors at a given temperature and pressure.

A. True  
B. False  
C.  
D.  
CORRECT: A
184 All painters should learn to ________ a Material Data Sheet because the information is necessary to plan and conduct safety precautions for working with the material.

A. read  
B. understand  
C. comprehend  
D. look at  

CORRECT: A  Painting & Decorating Craftsman's Manual and Textbook

185 Exposure by inhalation of toxic vapors, for instance, _________ be reduced by use of fans or other ventilation equipment to carry the vapors away from the breathing zone.

A. should  
B. could  
C. might  
D. ought to  


186 Training is _________ to the success of any exposure control method. It motivates workers by letting them know and understand the hazards of the chemicals they are using, and it teaches them how to use the chemicals safely.

A. important  
B. necessary  
C. not optional  
D. vital  

CORRECT: D  Painting & Decorating Craftsman's Manual and Textbook
The hazard of falling enters into the daily work of almost every painter and decorator.

A. vapors  
B. tripping  
C. falling  
D. flammable atmospheres

CORRECT: C

When oxygen in the air decreases from the normal 20.9%, a person suffers increasingly severe effects, beginning about to rapid death at %.

A. 4  
B. 6  
C. 10  
D. 12

CORRECT: B

Contractors who place workers in confined spaces must comply with the confined space program of the facility owner.

A. True  
B. False  
C.  
D.  

CORRECT: A
Because flammable and combustible liquids, solvents, and paints are used in most coating work, fire and explosion are very ______ hazards to painters.

A. significant  
B. real  
C. obvious  
D. potential  
CORRECT: A

When pouring flammable liquids from a drum into a smaller container, prevent sparking from static electricity by connecting the drum and the receiving container with a bonding wire and by __________ the drum.

A. moving  
B. storing  
C. grounding  
D. locating  
CORRECT: C

Avoid contact of spray mist with eyes and skin by wearing safety glasses or goggles, especially ones that can be __________ or changed easily when covered with over spray, and other appropriate protective clothing and gear.

A. thrown away  
B. wiped  
C. cleaned  
D. washed  
CORRECT: C
Do not _________ the larger, polarized prong of a two-pronged plug to make it fit into an outlet. This prong is for safety.

A. trim  
B. alter  
C. change  
D. clip  

CORRECT: A  

Lead paint removal deserves additional attention because of the degree of difficulty in controlling the hazards involved and the severity of the results of exposure to lead.

A. identifying  
B. seeing  
C. noting  
D. controlling  

CORRECT: D  

Exposure to lead does no harm to the reproductive systems of men or women.

A. True  
B. False  
C.  
D.  

CORRECT: B
Workers who wear _________ in lead exposure zones must comply with a very rigorous respirator protection plan as well as a stringent hygiene plan in order to keep exposures below the permissible exposure limit.

A. aprons  
B. goggles  
C. respirators A  
heavy shoes  
CORRECT: C  

Without _________ there would be no color, because paint pigments and other objects have no color in themselves.

A. God  
B. light  
C. vision  
A wavelengths  
CORRECT: B  

Mixing equal amounts of two primary colors produces the secondary colors. Red and yellow make orange; blue and yellow make green; red and blue make

A. scarlet  
B. purple  
C. blue purple  
A red purple  
CORRECT: B
For the painter, it is important to understand the impact that color can have. It can alter the appearance of a room, making it look ________ or cozy, and larger or smaller than it is.

A. spacious
B. cool
C. warm

A informal


Black is the power color.

A. True
B. False
C. 

A


While there are no absolutes when it comes to selecting colors for rooms with different exposures, generally, the less daylight a room receives, the ________ and brighter the should be.

A. clearer
B. whiter
C. lighter A darker

Correct: C Painting & Decorating Craftsman's Manual and Textbook Page 218
Coordinating color and light becomes an important consideration in any painting job. The color that clients select is the color they _________ to see. If it turns out looking differently because of the lighting effect, they may not be satisfied with the results.

A. hope  
B. expect  
C. desire  
A anticipate  
CORRECT: B

From a decorative standpoint, color is the primary consideration, but the gloss and light reflectance of any paint have direct bearing on the appearance of the areas to which color is applied.

A. total  
B. finished  
C. overall  
A direct  
CORRECT: C

Color selection always depends on what happens to be in vogue at the time.

A. True  
B. False  
C.  
A  
CORRECT: B
Anyone who does decorative painting for a living should ________ on color trends in the industry to provide clients with knowledgeable advice.

A. study  
B. look  
C. familiarize themselves  
D. stay up to date  
CORRECT: D

Colorful coatings can be used either to highlight or ________ parts of a surface.

A. cover  
B. hide  
C. contrast  
D. accentuate  
CORRECT: B

The split complement, which uses ________ colors, is simply an expansion of the single complement.

A. two  
B. three  
C. four  
D. many  
CORRECT: B
Once you understand the principles of color, you can use it as a ________ I wisely, whatever effect you desire and to give a surface the best possible appearance.

A. tool  
B. guide  
C. foundation  

**STOP**

**CORRECT:** A

Painting & Decorating Craftsman's Manual and Textbook Page 225

A long, narrow room can be made to look wider by using a ________ color on the end walls and a ________ color on the end walls and the ceiling.

A. light / dark  
B. bright / light  
C. dark / light  

**CORRECT:** C

Painting & Decorating Craftsman's Manual and Textbook Page 226

Dark, dingy walls and ceilings literally rob a workplace of needed light. The result can be eye strain and increased tension, both of which can contribute to worker inefficiency and possible even accidents.

A. True  
B. False  
C.  

**CORRECT:** A

Painting & Decorating Craftsman's Manual and Textbook Page 226
According to the Safety Color Code that provides a uniform way for workers to quickly and easily identify industrial hazards, the color Red designates:

A. caution  
B. danger  
C. fire  
D. hot

**CORRECT:** B

Computer color matching was introduced in the early

A. 1960s  
B. 1970s  
C. 1980s  
D. 1990s

**CORRECT:** C

Painters need not have their own computer. Paint retail outlets have made them an ______ part of their operation.

A. important  
B. accessory  
C. integral  
D. impressive

**CORRECT:** C
The Munsell System is a scientific way to describe and analyze colors in terms of three attributes; hue, valve, and chroma. This method was developed in:

A. 1905
B. 1945
C. 1965
D. 1985

The complete Munsell notation for any color is written in the following order:

A. hue chroma valve
B. chroma hue valve
C. hue valve / chroma
D. chroma valve / hue

Anyone doing work for the federal government will use the Federal Standard 595B system.

A. True
B. False
C. 
D. 

Anyone doing work for the federal government will use the Federal Standard 595B system.
217 A German color system that someone in the painting and decorating industry might encounter is known by its initials,

A. RAL
B. LAR
C. RLA

A R L

CORRECT: A

Painting & Decorating Craftsman's Manual and Textbook Page 234

218 Paint problems can be solved through knowledge and

__________

A. not cutting corners
B. not working too fast
C. training

A communication

CORRECT: D

Painting & Decorating Craftsman's Manual and Textbook Page 237

219 The preparation of a substrate prior to painting is probably the most tedious, expensive, and time-consuming portion of any paint job, but it is also the most _________ in preventing failures.

A. important
B. unique
C. critical

used

CORRECT: C

Painting & Decorating Craftsman's Manual and Textbook Page 238
Improper application and thickness control of the applied paint film can lead to coating failures. These are **definitely** within the control of the painter.

A. always  
B. sometimes  
C. ultimately  
D. definitely  

**CORRECT: D** Painting & Decorating Craftsman's Manual and Textbook Page 239

SAGS which are excess flowing of paint is caused because:

A. air pockets are trapped  
B. moisture condensation  
C. air pressure too low  
D. spray gun too close to work  

**CORRECT: D** Painting & Decorating Craftsman's Manual and Textbook Page 240

The remedy for Pinholing (tiny, deep holes exposing substrate) is,

A. if uncured, brush out and apply additional coat. If cured, apply additional coat.  
B. sand or mechanically remove pinholes.  
C. scrape pinholes.  
D. allow to dry and apply another finish coat.  

**CORRECT: A** Painting & Decorating Craftsman's Manual and Textbook Page 241
223 The remedy for CRACKING (deep cracks in paint that expose substrate) is one of the following:

A. round edges
B. solvent wash
C. recoat
D. sand or blast

**CORRECT:** D

Painting & Decorating Craftsman's Manual and Textbook Page 242

224 ABRASION DAMAGE (mechanical damage) is physical damage caused by abrasion or impact.

A. True
B. False
C. 
D. 

**CORRECT:** A

Painting & Decorating Craftsman's Manual and Textbook Page 243

225 The gradual thinning of the finish coat to expose the undercoat is called:

A. fading
B. cobwebbing
C. chalking erosion
D. pigment overload

**CORRECT:** C

Painting & Decorating Craftsman's Manual and Textbook Page 244
Because wood is not a stable substrate, only coatings that are flexible and can maintain their flexibility after __________ weathering should be applied to it.

A. severe
B. extensive
C. intense

CORRECT: B

Concrete — ______ — of an aggregate in a cement binder that is mixed with water and poured into forms.

A. consists
B. is made up
C. includes part

A is composed

CORRECT: A

Masonry surfaces consist of brick, concrete blocks, stones, or other similar construction materials held together by a cement _________

A. mixture
B. adhesive
C. compound

A mortar

CORRECT: D
Steel surfaces are relatively uniform, impervious, hard, durable, and ________ easy to paint.

A. quite
B. comparatively
C. very

A extremely

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 248

New plaster requires __________ before paint is applied to reduce both the moisture and alkalinity of the substrate.

A. curing
B. drying
C. smoothing

A surfacing

CORRECT: A

Painting & Decorating Craftsman's Manual and Textbook Page 249

For the craftsman who hangs wallcovering this is a benefit but not a challenge.

A. True
B. False
C. 

A

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 251
232 Always consider the use of the room and the __________ of the surface when recommending or selecting wallcovering materials.

A. shape
B. texture
C. condition
D. appearance

CORRECT: C

Painting & Decorating Craftsman's Manual and Textbook Page 252

233 Foil wall coverings are made of thin, flexible, metallic materials backed with either ________ or cloth.

A. linen
B. velour
C. chintz
D. paper

CORRECT: D

Painting & Decorating Craftsman's Manual and Textbook Page 253

234 Liner paper is blank stock ________ used as a liner or surface conditioner for other wallcoverings.

A. often
B. sometimes
C. frequently
D. seldom

CORRECT: B

Painting & Decorating Craftsman's Manual and Textbook Page 254
235 Wallcovering comes in two basic packages: American rolls and Euro rolls. American rolls provide about ______ percent more material per roll.

A. 10  
B. 15  
C. 20  
D. 25  
CORRECT:D  
Painting & Decorating Craftsman's Manual and Textbook Page 255

236 Which of the following is not necessary for identification of wallcoverings?

A. manufacturer  
B. collection  
C. pattern number  
D. material  
CORRECT:D  
Painting & Decorating Craftsman's Manual and Textbook Page 257

237 When applied to a wall, strips of wallcovering will match each other in one of three ways: a random match, a straight-across match, or a drop match.

A. True  
B. False  
C.  
D.  
CORRECT:B  
Painting & Decorating Craftsman's Manual and Textbook Page 258
238 Estimating wallcovering needs for a job can be ________- and frustrating if not done properly. You get well into a job and discover that you do not have enough material to finish, so you must stop and get more.

A. difficult
B. tricky
C. time-consuming

A guess work


239 How many steps are there in the Pattern Repeat Method of estimating coverage for a job?

A. 2
B. 4
C. 6

A 8


240 One way to make an adjustment in order to also estimate coverage for windows, doors, entryways and other large openings is which of the following?

A. measure each window, door and entryway
B. deduct 1/2 roll of wallcovering for each opening
C. add a couple of extra rolls

A buy extra rolls

A paste brush and bucket or a paint roller and roller pan commonly are used to apply paste to the wallcovering. If prepasted wallcovering is being used, a ________ is needed to soak the strips in order to soften and activate the adhesive.

A. bucket  
B. water tray  
C. tub

A sink

CORRECT: B

When mixed according to directions, powder adhesives are very low in solid material, only about ________ %, and very high in moisture, which makes up the rest of the volume.

A. 2 to 4  
B. 4 to 8  
C. 6 to 10

A 4 to 10

CORRECT: D

Premixed, ready-to-use adhesives offer several advantages not available from powder products. First of all, they have more solid content - anywhere from % or more.

A. 10 to 20  
B. 20 to 40  
C. 20 to 50

A 30 to 50

CORRECT: C
Painting and Decorating Craftsman's Manual Study

244 A paste machine can be used to apply either an adhesive to unpasted wallcovering. It offers several advantages over application of paste or activator by hand.

A. True
B. False
C. A

CORRECT: A Painting & Decorating Craftsman's Manual and Textbook Page 266

245 For a wallcovering to adhere well and form a good, solid bond, the surface must be clean, dry and

A. even
B. smooth
C. warm
A sound


246 A new ____________ surface should be thoroughly dry and coated with a sealer and primer before hanging wallcovering over it.

A. wood
B. cement
C. plaster
D. rough

If at the end of a job, the last two strips don't match, the solution is:

A. hang the wallcovering so that the mismatch is in the least noticeable place.
B. buy more of the same wallcovering.
C. don't use the mismatch, paint instead.

A hang mismatch in opposite areas.

Correct: A

Which of the following is not a seam used to join strips of wallcovering?

A. butt seam
B. wire seam
C. overlap seam
D. wood seam

Correct: D

Decide on the order of events. Painting should be done before wallcovering, the ceiling should be covered before the walls; and the border should be applied at the end.

A. True
B. False
C. 
A

Correct: A
250 The Wallcovering Installation Guidelines for Contractors and Suppliers are presented for the _________ of installation problems.

A. avoidance  
B. resolution  
C. solution  

improvement  
**CORRECT:** B  
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251 In the event that the material being hung is defective and the owner or general contractor requests or insists that the wallcovering contractor continue and/or finish the job (with the defective material), then the owner or general contractor _________ all responsibility for both the cost of the material and the labor.

A. gets  
B. assumes  
C. receives  

denies  
**CORRECT:** B  
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252 There are no firm guidelines about how many strips to cut at one time, although enough to reach the nearest door, window, or break in the wall is usually _________

A. enough  
B. adequate  
C. sufficient  
A plenty  
**CORRECT:** C  
Painting & Decorating Craftsman's Manual and Textbook Page 274
253 If directions call for wallcovering to be booked, fold both ends in, paste side to paste side, without creasing the folds, and let it ______ for the recommended time.

A. sit
B. dry
C. rest
A d h e r e
CORRECT: C

254 Regardless of the starting point of the hanging operation, the first step is to __________, using either a carpenter's level or a plumb line and chalk.

A. mark a vertical line
B. mark your initials
C. mark a big x
D. mark a horizontal line
CORRECT: A

255 If you need to mark a trim line, use a dull blade.

A. True
B. False
CORRECT: B
When you need to roll a seam, after the paste has set, use a seam roller along the ________ of the seam.

A. edge  
B. middle  
C. length  

CORRECT: C  

Working with specialty wallcoverings requires many of the same procedures used to hang basic wallcoverings. The best advice is to follow the manufacturer's instructions about the ________ type of adhesive to use and any special application techniques.

A. best  
B. preferred  
C. company's  

A strongest  

CORRECT: B  

If you are working around a door frame, cut the wallcovering so it will lie flat against the wall along the edges of the woodwork. Trim the excess with a ________ and broad knife.

A. straightedge  
B. hand scraper  
C. ruler  

A razor  

CORRECT: D
When hanging wallcovering near electrical outlets or light switches, it is a safe practice to turn off the power source or at least _________ the prong openings of an outlet to keep out water and adhesive.

A. tape  
B. cover  
C. conceal  
A plug  
CORRECT: A  

When working by a toilet tank or radiator, use a smoothing brush to press the wallcovering down behind the fixture as far as possible. Use a _______ held flat against the wall to reach and smooth the rest of it.

A. plunger  
B. stick  
C. yardstick  
A broom handle  
CORRECT: C

The best way to fix soiled or damaged wallcovering and to maintain the overall appearance of the room is to replace the part of the strip that is damaged.

A. True  
B. False  
C.  
A  
CORRECT: B
If adhesive has dried and a blister has not disappeared, either make a smaller slice with a razor blade to open the blister and apply extra adhesive or use _________ to make the repair.

A. a knife  
B. an adhesive syringe  
C. a big needle

Correct: B

A problem that might occur using latex paint is that moisture from the coating might seep through the seams and soften the adhesive, loosening the wallcover. A __________ before the paint might help prevent such a problem.

A. fan blowdrying  
B. second layer of adhesive  
C. coat of sealer

Correct: C

Gypsum drywall has been used as a building material for more than _______ years.

A. 25  
B. 50  
C. 75  
D. 100

Correct: D
There are levels of finish, and typical applications are for each of them.

A. 3  
B. 4  
C. 5  
D. 6

CORRECT: D  

The most basic hand tool in the drywall industry is a broad knife, sometimes called a joint knife, which comes in a variety of shapes and sizes, and is made of different types and grades of materials for just about any possible application.

A. True  
B. False  
C.  
D.  

CORRECT: A

After joint compound has dried, it may be sanded with fine grit, open coat sandpaper or drywall screen or wiped with a damp sponge to make it

A. wet  
B. smooth  
C. damp  
D. consistent

CORRECT: B
A banjo is a tool which is used to apply ______ to joint tape.

A. adhesive  
B. glue  
C. mud  A joint compound


Loading ______ are used to fill mechanical tools with joint compound prior to use, and long handles or attachments enable them to be used to reach ceilings and high walls.

A. pumps  
B. docks  
C. rigs  
D. fasteners

CORRECT:A  Painting & Decorating Craftsman's Manual and Textbook Page 292

The list of materials needed for any drywall job is short and simple: drywall panels, fasteners, joint compound, joint tape, and ________

A. top boards  
B. braces  
C. corner beads  
A g y p s u m

CORRECT:C  Painting & Decorating Craftsman's Manual and Textbook Page 293
Joint compound comes in both dry powder and premixed paste. Dry powder compounds should be mixed with clean, _____water to the proper, smooth consistency, following the manufacturer's directions.

A. bottled
B. tap
C. sewer

A drinkable

CORRECT: D

The edges of drywall are easily damaged, and if left unprotected, they would soon become dented, marked, and nicked by ________

A. passersby
B. furniture being moved
C. everyday traffic

A children

CORRECT: C

Since a single sheet of standard size drywall weighs about ________pounds, it probably is a good idea to get some help to lift and hold the panels in place while fastening them to the ceiling.

A. 40 to 50
B. 45 to 50
C. 55 to 60
A 60 to 65

CORRECT: D
When the joints or studs are 24 inches apart, the screws should be no more than___ inches apart on both ceilings and walls.

A. 6  
B. 12  
C. 18  
A 24  
CORRECT: B  

The choice of hand tools or mechanical tools for drywall work belongs to the _______.

A. contractor  
B. boss  
C. craftsman  
A owner  
CORRECT: C  

When applying joint compound, apply it evenly with a 7 or 8 inch broad knife or similar tool.

A. True  
B. False  
C.  
A  
CORRECT: B
After the first coat is completely dry - the time will vary depending on the type of compound, the _________ humidity, and other conditions - the second coat is applied.

A. heat
B. time of day
C. the thickness
D. temperature


A third, _________ coat is applied to fill in any irregularities or imperfections in the second coat.

A. very thin
B. thicker
C. feathered
D. bumpy


The dimples around nail and screw heads should be spotted with _________ coats of joint compound.

A. two
B. three
C. four
D. five

Since texture coats are heavier than paint, they tend to _______ and do not require as smooth a surface for finishing.

A. be bumpy  
B. hide defects  
C. sag  

A   d r i p  

CORRECT: B  

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Drywall can be treated with a variety of decorative coatings, including _________ texture finish, wallcovering, ceramic or plastic wall tile, or plastic-finished wall panels.

A. beading  
B. skim coats  
C. ridging  

A   p a i n t  

CORRECT: D  

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Many craftsman develop their own personal techniques to produce ________ and attractive texture finishes.

A. unusual  
B. unique  
C. perfect  

A bright  

CORRECT: A  

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"Skip texture" is a technique in which — __ — of the surface are allowed to show through the texture materials.

- A. parts
- B. sections
- C. spots

A portion

Correct: C

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The room temperature of the work area should be at least 40 F while drywall is being hung, unless adhesive is being used.

- A. 32 F
- B. 38 F
- C. 40 F
- D. 46 F

Correct: C

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Ridging or beading may be avoided by ensuring that the room is adequately heated during the project, and that the joint compound is still moist between coats and before painting.

- A. True
- B. False
- C. 
- D. 

Correct: B

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are an indication of insufficient compound under the joint tape.

A. sagging panels  
B. tape blisters  
C. edge crackings  
A excessive shrinkages

**CORRECT:** B

A hole up to about ___ in diameter may be repaired by coverings it with a piece of joint tape "buttered with joint compound.

A. 1 inch  
B. 2 inches  
C. 3 inches  
A 4 inches

**CORRECT:** B

There ___ steps in repairing drywall.

A. 2  
B. 3  
C. 4  
D. 5

**CORRECT:** C
With time, patience, and experience, a craftsman can expect to learn tricks of the trade that enable him to become better and more proficient at hanging, finishing, decorating, and repairing drywall surfaces.

A. True
B. False
C. A

There are ________ broad areas of management important to coatings and wallcovering work.

A. three
B. four
C. five
D. six

Technical management sounds a bit complicated, but it means nothing more than managing know-how. Know-how is acquired not by _______ but by conscious effort.

A. genius
B. inheritance
C. magic

A book-learning
A training program can be developed to assure the appropriate pace, sequence, and __________ of the information presented.

A. accuracy  
B. quality  
C. quantity  
D. amount  

CORRECT: A

Acquiring know-how is only half the battle. The other half is ________ it to the work.

A. scheduling  
B. performing  
C. applying  
D. developing  

CORRECT: C

The management of know-how also requires historical records, because memory is rarely completely accurate. Keep a __________ of the work you have done.

A. diary  
B. balance sheet  
C. written record  
D. log  

CORRECT: C
If you are going to control the quality of the work you do, you have to manage the effort. Management of quality control involves procedures to verify quality, procedures to correct poor work, and records of quality control efforts.

A. True
B. False
C.
D. CORRECT: A

It does not help to ask how smooth does the wood have to be unless you have a method or technique of measurement to determine if the work "measures up" to the standard of quality you have established. Some craftsman with clear, visual pictures of quality would measure by eye - that is, by visually examining the work. Others might measure smoothness by

A. comparison
B. feel or touch
C. looking
D. comments
CORRECT: B

According to the __________ standard on third-party inspection, "Effective third-party inspection can contribute to the success of a project and reduce needless delays, costs, general disruptions, and tension between owners, contractors, and material suppliers.

A. ACDP
B. CADP
C. PDCA
D. PDAC
CORRECT: C
When you are gathering information about the weather, such as air temperature and humidity, you should make sure these conditions fall within the range of acceptability described in the specification or the application data sheets that accompany the material.

A. gathering  
B. recording  
C. writing down

**CORRECT:** B

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Careful records about safety must be kept to demonstrate compliance with regulations, to meet insurance requirements, and to judge the effectiveness of safety and loss control measures.

A. assure  
B. insure  
C. meet

**CORRECT:** D

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Compliance with safety regulations is critical for the physical well-being of workers, and a good safety record is important to the economic well-being of a company.

A. critical  
B. necessary  
C. essential

**CORRECT:** A

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