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PAINTING INSPECTOR EXAM MULTIPLE CHOICE QUESTION

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Choose the correct answer from the choice (answers on last page)

1. What is mean by compliant coating?
 - a. Coating which applied on specified atmosphere condition
 - b. Coating which suitable with the requirements of the EPA
 - c. Coating which suitable for the steel substrate
 - d. Coating with non compliance report

2. Which situation is expressed as damp surface
 - a. Surface with detectable water
 - b. Surface temperature below dew point
 - c. Surface with a noticeable film of water
 - d. Surface temperature above dew point

3. Which information is not available in MDS
 - a. Flash point
 - b. Dew point
 - c. VS%
 - d. Recommended Thinner

4. Who is having duty of Safety on a Working site
 - a. HSE (Health & safety executive)
 - b. Contractor
 - c. Engineer
 - d. Employees

5. _____ used to detect the voltage in Impressed current system
 - a. National Grid
 - b. Transformer Rectifier
 - c. Copper/Copper Sulphate half cell electrode
 - d. Sodium Chloride

6. A Coating continues protection of 7 years, Which falls in _____
 - a. Long term protection
 - b. Medium term protection
 - c. Short term protection
 - d. Fixed term protection
7. In dragger tube number specified is $n=5$, what is RAQ
 - a. 500 ppm
 - b. 5 rpm
 - c. 500 cfm
 - d. 500 cc
8. A Galvanized substrate with oxide layer has formed called
 - a. New Galvanising
 - b. Weathered Galvanising
 - c. Unsuitable galvanizing
 - d. Previously painted Galvanising
9. A primer used for pretreatment for zinc metal surfaces.
 - a. Zinc rich epoxy
 - b. T.Wash
 - c. FBE
 - d. Zinc Phosphate
10. PA 10 specification is suitable for use in the following area:
 - a. Onshore installations
 - b. offshore installations
 - c. internal coatings of pipes
 - d. below ground (buried)
11. After applying primer on steel surface, Paint got wetted by raining. As a painting inspector what you do?
 - a. Wait for water to dry
 - b. Blast to remove existing primer, recoat
 - c. Continue next stage after rain
 - d. Recoat primer without removing existing coat
12. Who is having permission to change a specified paint system
 - a. Paint technologist
 - b. Painting inspector
 - c. Engineer
 - d. Contractor
13. Which surfaces comes on hot duty surfaces
 - a. Metal surfaces attaining a temperature above 340°C
 - b. Metal surfaces attaining a temperature above 100°C
 - c. Metal surfaces attaining a temperature above 37°C
 - d. Metal surfaces attaining a temperature above 540°C

14. At which temperature aluminium melts
- 100 oC
 - 240 oC
 - 425 oC
 - 625 oC
15. A Multi component paint dried by
- Solvent evaporation
 - Oxidation
 - Chemical reaction
 - Coalescence
16. Biscuit Gauge is another name for
- Hegman's grind gauge
 - Surface Comparator
 - Banana Gauge
 - Comb Gauge
17. Gold leaf test is used for _____
- Adhesion
 - Drying
 - Residual tack
 - Dust detection
18. A single pack epoxy paint dry by
- Coalescence
 - Chemical curing
 - Oxidation
 - Solvent evaporation
19. Pull of Adhesion is a term associated with
- Tinsley pencil
 - Banana Gauge
 - HATE
 - Dolly Test
20. Which is not a property of extender pigments
- Increase Gloss
 - Increase Adhesion
 - Increase Cohesion
 - Increase film strength
21. _____ can be used to detect the presence of oil or grease
- Copper sulphate
 - Transparent Sticking Paper
 - UV Light
 - Brestle Sample Patch
22. A coating fault which resembles holidays

- a. Checking
 - b. Cratering
 - c. Crazing
 - d. Cissing
23. Which grade of surface preparation required for hot duty surfaces from above 150 ° C
- a. Sa1
 - b. Sa2
 - c. Sa2½
 - d. Sa3
24. In Electrostatic spray, The thickness of paint as controlled by
- a. Time used to spray
 - b. Velocity of the particles
 - c. Voltage
 - d. Degree of dispersion
25. Over thickness of Zinc silicate cause
- a. Sagging
 - b. Mud Cracking
 - c. Curtaining
 - d. Cohesive failure
26. Which factor does not affect gloss of a paint film
- a. CPVC
 - b. Flash Point
 - c. Particle Size
 - d. Solvent type
27. According to Transco PA10, which metal spray not required a sealer
- a. TSA
 - b. Polysiloxane Inorganic Coating
 - c. Poly Vinyl Buterol
 - d. Inorganic Zinc Silicate
28. It is advisable to apply Moisture curing polyurethane by
- a. Airless spray
 - b. Brushing
 - c. Roller
 - d. Padding
29. IGE SR 21 is associated with
- a. Gas Plant Manufacture
 - b. Handling of Methanol
 - c. Abrasive Blasting Safety
 - d. Using of Sand Abrasive
30. Which paint application have “Insulation” effect
- a. Airless Spray
 - b. Remote Pressure pot

- c. Dip coating
 - d. Electrostatic spray
31. Reflectometer measures _____
- a. Aggregate Size
 - b. Agglomerates Percentage
 - c. Gloss
 - d. Colour
32. A Non Destructive test can be done
- a. When substrate contain MIO
 - b. When substrate is **non** ferromagnetic and coating is Ferro magnetic
 - c. When substrate is Ferro magnetic and coating is Ferro magnetic
 - d. When substrate is ferromagnetic and coating is **non** Ferro magnetic
33. Which one is not included in non ferrous substrate
- a. Stainless steel
 - b. Mild steel
 - c. New Galvanising
 - d. Weathered Galvanising
34. Which one is not a compound in millscale
- a. FeO
 - b. Fe₂O₃
 - c. Fe₂ O₄
 - d. Fe₃O₄
35. What is the approximate overlap area in painting
- a. 100 mm
 - b. 100 cm
 - c. 10mm
 - d. 100 um
36. In colour attributes, Brightness also referred by the term
- a. Chroma
 - b. Intensity
 - c. Value
 - d. Weight
37. What is the minimum time for over coating
- a. 30 Minutes
 - b. 4 Hrs
 - c. 12 Hrs
 - d. 24 Hrs
38. Colour of Millscale
- a. Dark Blue
 - b. Dark Grey
 - c. Black

- d. No Colour
39. RAL number represents
- a. Batch Number
 - b. Thinner Code
 - c. Colour Code
 - d. Solvent Code
40. Ropiness is fault look like
- a. Roller Stiple
 - b. Rivelling
 - c. Brush Marks
 - d. Blisters
41. _____ Abrasive is preferred for Wheel abrator
- a. Steel Grit
 - b. Steel Shot
 - c. Grit and Shot Mixed
 - d. Copper Slag
42. _____ flow cup can be used to check viscosity of hot paint
- a. Ford
 - b. Zahn
 - c. ISO
 - d. DIN
43. Miser Valve _____ in dry blasting
- a. Controls the Air Pressure
 - b. Controls the flow of abrasives
 - c. Removes oil and water
 - d. Avoids leakage
44. Which solution is used for cathodic disbandment test?
- a. Slightly acidic liquid
 - b. Salt water
 - c. Alkaline liquid
 - d. Distilled water
45. Concentration and temperature of sulphuric acid in pickling process
- a. 5-10% , 65-70 °C
 - b. 65-70% , 5-10 °C
 - c. 2% , 80 °C
 - d. 80% , 65-75 °C
46. Which one is not a laminar pigment
- a. Graphite
 - b. Aluminium flake
 - c. Glass flake
 - d. China Clay

47. Phosphating process of steel structure is termed as
- Pickling
 - Passivation
 - Cathodic protection
 - Salt Detection
48. Millscale test done , when Blast grade is
- Sa1
 - Sa2 and Above
 - Sa2½ and Above
 - Sa3
49. Which one is not a Paint fault
- Grinning through
 - Efflorescence
 - Cracking
 - Bittiness
50. What is the total thickness of compliant epoxy based paint
- 325 um
 - 225um
 - 265um
 - 365um
51. Which term is not relate with binder
- VOC
 - Film former
 - Vehicle
 - Non volatile
52. Internal coating of pipeline come under
- PA7
 - PA8
 - PA9
 - PA10
53. If a comb gauge show 120-140 um ,then the actual Dft is
- 120 um
 - 130um
 - 140 um
 - 120 / 140 um
54. De-lamination is a fault occurs when using
- Epoxy
 - CR
 - Micaceous Iron Oxide
 - Poly Urethane
55. Nuts and Bolts can be coated by

- a. Calorising
- b. Galvanising
- c. Sheradizing
- d. Anodising

56. _____ are examples for natural resin

- a. Amber, Laq
- b. Soya Oil, Tung Oil
- c. Bitumen , Coal tar
- d. Phenolic resin, Cellulosic resin

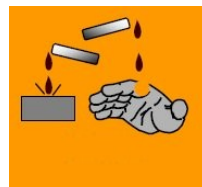
57. If Paint in a density cup weighs 135gm,Relative Density is _____

- a. 135
- b. 13.5gm/cc
- c. 1.35
- d. 1.35 gm/cc

58. Which paint from below, can be applied over Phenolics

- a. CR
- b. Epoxy
- c. Alkyd
- d. None of these

59. Which warning symbol represents Toxic



60. If more pigments added in a paint, then the surface should be _____

- a. Gloss
- b. Matt
- c. Grinning
- d. Fast Drying

61. _____ is an example for aliphatic HC solvents

- a. Water
- b. Xylene
- c. Turpentine
- d. Acetone

62. **Non drying oils can be used in paints, for _____**

- a. Fast drying
- b. Slow drying
- c. Activate Chemical reaction
- d. Flexibility

63. Which additive used in paints to stop settlements

- a. Drying oils

- b. Non Drying oils
 - c. Wax
 - d. Anti skinning agents
64. If an airless spray pump ratio 35;1 delivery pressure 2800.howmuch the inlet pressure
- a. 100psi
 - b. 90psi
 - c. 80psi
 - d. 70psi
65. How atomization is achieved in conventional spray
- a. Two air channels outside the nozzle
 - b. Air pressure applied before nozzle
 - c. Paint forced at high pressure
 - d. Hydraulic pressure
66. Which term is used when heat applied over 65 °C for Drying of Paint
- a. Metal Spray
 - b. Air Drying
 - c. Stoving
 - d. Forced Drying
67. The following is not an information of Daily report sheet
- a. Dew point
 - b. Relative Humidity
 - c. Relative Density
 - d. Air Temperature
68. Which one is thermoplastic
- a. Poly ethylene
 - b. Poly urethane
 - c. Epoxy
 - d. Natural Resin
69. Steel temperature can be measured by
- a. Psychro meter
 - b. Limpet Gauge
 - c. Thermo meter
 - d. Horseshoe gauge
70. What is the solution ,if damage occurs to a galvanizing
- a. T Wash
 - b. Zinc Rich Epoxy
 - c. CR
 - d. Water Borne Acrylic
71. Which mill widely used for producing thick paint
- a. Ball Mill
 - b. Pearl Mill

- c. Triple Roll Mill
 - d. Single Roll Mill
72. Which one is suitable for steel work
- a. Short oil paint
 - b. Medium oil paint
 - c. Long Oil paint
 - d. Full Oil paint
73. Pigment, which dissolve in a binder called
- a. Lacquer
 - b. Dye
 - c. Varnish
 - d. Solute
74. If 11 Litres Paint Weighs 18 Kg then density =
- a. 1.8 gm/cm
 - b. 1.6 gm/cm
 - c. 1.1 gm/cc
 - d. 1.6 gm/cc
75. Ford Flow cup made of _____
- a. Stainless Steel
 - b. Aluminium Alloy
 - c. Mild Steel
 - d. Glass Reinforced Plastic
76. When temperature increases, _____
- a. Viscosity increases
 - b. Viscosity decreases
 - c. Viscosity Stable
 - d. Drying time increases
77. What is the approximate induction period of CR
- a. 20 minutes
 - b. 30 minutes
 - c. 6-8 hrs
 - d. Not Applicable
78. Stroboscope checks
- a. Rotation
 - b. Polarity
 - c. Potential
 - d. Aggregate count
79. Which paint mill produce expensive materials
- a. Triple roll mill
 - b. Single roll mill
 - c. Sand mill

- d. Ball mill
80. High speed stone mill is another name for
- a. High speed disperser
 - b. Pearl mill
 - c. Colloid mill
 - d. Attritor Mill
81. Which paint is not suitable for EPA
- a. Water borne
 - b. High volume solid
 - c. Solvent Based
 - d. Solvent free
82. By which polymerisation method a 2 pack epoxy paint dry
- a. Cross linked Polymer
 - b. Branched Polymer
 - c. Solution Polymer
 - d. Linear Polymer
83. Transco Specification PA9 Specifies
- a. New and Maintenance painting at work and site for AGI
 - b. Paint Properties and Performance
 - c. Internal coating of steel small bore pipe
 - d. Preparation of steel substrate before application of paint
84. Which term cannot be used for solid particles in binder
- a. Aggregates
 - b. Emulsion
 - c. Degree of dispersion
 - d. Fineness of grind
85. Which one is more suitable for CR paint to increase flexibility
- a. Alkyd resin
 - b. Linseed oil
 - c. Bentonites
 - d. Coconut oil
86. _____ is not a unit of viscosity
- a. Stoke
 - b. Poise
 - c. Litre
 - d. Second
87. Which type of Comb gauge is not available
- a. Square
 - b. Circle
 - c. Triangular
 - d. Rectangular

88. Which application method used to apply paints on damp surface
- Brush
 - Roller
 - Airless Spray
 - Dip coating
89. What is BS 4800 specifies
- Colour co-ordination
 - Specification of abrasive size sieves
 - Methods of test for paints
 - Glossary of paint and related terms
90. Which application greatly reduce pinholes
- Brush
 - Spray
 - Aerosol
 - Roller
91. Spray tip with adjustable aperture size known as
- Carbide
 - Venturi
 - Titan
 - Taber
92. Pyro meter is an instrument to check
- Adhesion
 - Hardness
 - Steel Temp
 - Density
93. Graticule scale is a part of
- PIG
 - Hegman Grind Gauge
 - Eccentric Wheel
 - Tough type Pfund Crypto meter
94. MDS shows a two pack paint density is 1.35 gm/cc, when the density check completed it shows the density as 1.25. Which one is true
- Base Part is High
 - Activator Part is High
 - Mix ratio on MDS is incorrect
 - Activator Part is Low
95. In which temperature Density, Viscosity etc tests of Paints done
- 20 °C ± 0.5 °C
 - 37 °C ± 0.5 °C
 - 100 °C ± 0.5 °C
 - Temperature not affected

96. If metal spray applied on a thin steel plate ,
- Plate should not be heated
 - Plate should be preheated
 - Plate should be post heated
 - Cannot be applied
97. BS 7079 does not contains
- Rust Grades
 - Blast Grades
 - Hand and Power tool Grades
 - Salt tests on Substrate
98. Wa1 ,Wa2 are grades of
- Abrasive blasting
 - Closed blasting
 - Water Blasting
 - Weathering Grades
99. When using replica tape 50um deducted because _____
- Thickness of paper
 - Thickness of transparent layer
 - Thickness of Testex
 - Dial micrometer Criteria
100. Which blasting is suitable for non-ferrous substrates
- Thorough abrasive blasting
 - Sweep blasting
 - Sa2½
 - Not Applicable

ANSWERS

- Coating which suitable with the requirements of the EPA
- Surface temperature below dew point
- Dew Point
- Employees
- Copper/Copper Sulphate half cell electrode

6. Long term protection
7. 500cc
8. Weathered Galvanising
9. T. Wash
10. Onshore installations
11. Blast to remove existing primer, recoat
12. Engineer
13. Metal surfaces attaining a temperature above 100° C
14. 625 ° C
15. Chemical reaction
16. Comb Gauge
17. Residual tack
18. Oxidation
19. Dolly test
20. Increase gloss
21. UV light
22. Cissioning
23. SA3
24. Voltage
25. Mud Cracking
26. Flash point
27. Polysiloxane Inorganic Coating
28. Brushing
29. Abrasive Blasting Safety
30. Electrostatic Spray
31. Gloss
32. When substrate is ferromagnetic and coating is non Ferro magnetic
33. Mild steel
34. $Fe_2 O_4$
35. 100mm

- 36. Value
- 37. 4 hours
- 38. Dark blue
- 39. Colour Code
- 40. Brush marks
- 41. Steel shot
- 42. Zahn
- 43. Controls the flow of abrasives
- 44. Salt water
- 45. 5-10% , 65-70 °C
- 46. China clay
- 47. Passivation
- 48. SA3
- 49. Efflorescence
- 50. 265 um
- 51. VOC
- 52. PA8
- 53. 120 / 140
- 54. Micaceous Iron Oxide
- 55. Sheradizing
- 56. Amber ,Laq
- 57. 1.35
- 58. Alkyds



- 59.
- 60. Matt
- 61. Turpentine
- 62. Flexibility
- 63. Wax

64. 80psi
65. Two air channels outside the nozzle
66. Stoving
67. Relative Density
68. Poly ethylene
69. Limpet Gauge
70. Zinc Rich Epoxy
71. Triple roll mill
72. Short oil paint
73. Dye
74. 1.6 gm/cc
75. Aluminium Alloy
76. Viscosity decreases
77. Not Applicable
78. Rotation
79. Single roll mill
80. Colloid mill
81. Solvent based
82. Cross linked
83. Paint properties and performance
84. Emulsion
85. Alkyd resin
86. Litre
87. Circle
88. Brush
89. Colour Co-ordination
90. Brush
91. Titan
92. Steel temp
93. PIG

94. Activator part is high
95. $20\text{ }^{\circ}\text{C} \pm 0.5\text{ }^{\circ}\text{C}$
96. Plate should be post heated
97. Salt test on substrate
98. Water blasting
99. Thickness of transparent layer
100. Sweep blasting

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