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NEW QUESTION: 1
A DC yoke shall have a lifting power of at least
A. 8 lbs.
B. 40 lbs.
C. 10 lbs.
D. 5 lbs.
Answer: B (LEAVE A REPLY)

NEW QUESTION: 2
Each piece of magnetizing equipment shall be calibrated
A. at least once a year or whenever the equipment has been subject to major electrical repair
B. whenever the technician feels like it
C. at least once every 90 days
D. at the beginning of each shift
Answer: (SHOW ANSWER)

NEW QUESTION: 3
Who is authorized to make a tack weld?
A. A fitter
B. A helper
C. A qualified welder
D. The welding foreman
Answer: C (LEAVE A REPLY)

NEW QUESTION: 4

A piping system that operates at a design pressure of 100 psi at 950? F was originally built from NPS 20 EFW (100% radiographed), ½" wall, A-516 Grade 70, A-671 material. During the last Inspection, the thickness was determined to be 0.370 inches. The records indicated the corrosion rate to be 0.009 inches per year.
What is MAWP if the next inspection is planned in 5 years?
A. 98.23 psi
B. 126 psi
C. Not enough information given
D. 285.17 psi
Answer: (SHOW ANSWER)

NEW QUESTION: 5
What is the acceptable method to temporarily repair a longitudinal crack in an existing piping system?
A. Using a full encirclement welded spilt sleeve, with the approval of the piping engineer
B. Welding a box over the cracked area
C. Welding over the crack
D. Installing a full encirclement welded split sleeve
Answer: A (LEAVE A REPLY)

NEW QUESTION: 6
What is the minimum class flange that can be used if the material is SA 351 Gr.C F8C, temperature 950?F and working pressure is 1930 psig
A. This material can not be used at this temperature
B. 1500
C. 900
D. 800
Answer: B (LEAVE A REPLY)

NEW QUESTION: 7
An inspector is evaluating a radiograph, a light image of a "B" appears on a darker background of the radiograph, the.
A. radiograph should not be rejected
B. "B" is for identification of the welder
C. radiograph shall be considered unacceptable
D. "B" is for identification of the weld
Answer: C (LEAVE A REPLY)

NEW QUESTION: 8
Bolts should extend during the installation of flanged connections.
A. only half way through their nuts

B. at least 0.5 inches (12.7 mm) past their nuts
C. completely through their nuts
D. two threads past their nuts
Answer: (SHOW ANSWER)

NEW QUESTION: 9
What is the prescribed alignment for the inside surfaces of circumferential welds to be groove welded?
A. Within the dimensional limits in the WPS
B. ? 1/16"
C. ? 1/32"
D. The fabricator's discretion
Answer: A (LEAVE A REPLY)

NEW QUESTION: 10
What is the minimum holding time of SA-106 Grade B, 1 inch thick material?
A. 1 hour
B. not specified
C. 2.4 hours
D. 2 hours
Answer: A (LEAVE A REPLY)

NEW QUESTION: 11
An area defined by a circle having a diameter not greater than 2 inches for a line diameter not exceeding 10 inches, in which thickness readings may be averaged is
A. Averaging point
B. TML
C. WFMT
D. Test point
Answer: (SHOW ANSWER)

NEW QUESTION: 12
Determine the MAWP of the following piping system , at the next inspection, based on the following Design pressure/temperature Pipe description Outside diameter of pipe, D Thickness determined from Inspection Observed Corrosion Rate Next planned inspection
100 psig/100°F NPS 20, Sch. std, A 106 B 20"
0.280"
0.02 inches/year 5 Years
MAWP=
A. 125 psig
B. 160 psig

C. 550 psig
D. 723 psig
Answer: B (LEAVE A REPLY)

NEW QUESTION: 13
The weld ripples of reinforcement of butt-welded joints shall be before radiography.
A. ground flush, with grinding direction parallel to the weld
B. removed
C. ground flush, with grinding direction perpendicular to the weld
D. removed if irregularities mask discontinuities
Answer: (SHOW ANSWER)

NEW QUESTION: 14
Which of the following applies to socket welds in piping systems?
A. Should be welded using SAW only
B. Should be avoided where crevice corrosion may occur
C. Should be avoided
D. Should be used in all welded piping
Answer: B (LEAVE A REPLY)

NEW QUESTION: 15
What is the test pressure of a metallic piping system whose design temperature is above the test temperature using the following conditions? NPS 6, SA106 Gr.B, 100 psi / 800°F
A. 150 psi
B. Test temperature verses design temperatures are not different
C. 278 psi
D. 450 psi
Answer: C (LEAVE A REPLY)

NEW QUESTION: 16
The preferred medium for pneumatic testing of small lines or systems is
A. air
B. inert gas
C. hydrogen
D. water
Answer: B (LEAVE A REPLY)

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NEW QUESTION: 17
What is the root face limitation as listed on the attached WPS and PQR
A. 3/32"
B. No limit
C. 1/8"
D. Not designated
Answer: D (LEAVE A REPLY)

NEW QUESTION: 18
The base metal is P.No.8, the weld metal is A . No.8-9, and the wall thickness is 1", what is the hold time for heat treatment
A. 1 hour
B. None
C. 2 hours
D. ½ hour for each 1" thickness
Answer: B (LEAVE A REPLY)

NEW QUESTION: 19
What is the maximum thickness measurement inspection interval for an injection point?
A. By Class
B. 3 years
C. 5 years
D. 10 years
Answer: B (LEAVE A REPLY)

NEW QUESTION: 20
The liquid penetrant examination method is an effective means for detecting.
A. subsurface discontinuities of a weld
B. both Internal and surface discontinuities of a weld
C. internal discontinuities of a weld
D. surface discontinuities of a weld
Answer: D (LEAVE A REPLY)

NEW QUESTION: 21
If the supporting PQR is used, are the P-no's correct on the attached WPS?
A. No

B. Not enough information
C. Could be if properly preheated
D. Yes
Answer: (SHOW ANSWER)

NEW QUESTION: 22
Austenitic stainless steel piping systems operating between 150°F-400°F are susceptible to:
A. chloride stress corrosion cracking
B. CUI
C. Both B and C
D. temper embrittlement
Answer: C (LEAVE A REPLY)

NEW QUESTION: 23
When can welding procedures qualified by other than the employer be used?
A. When the procedure is used only one time
B. When there is specific approval of the inspector
C. When the production weld is radiographed
D. When the job contract gives authorization
Answer: B (LEAVE A REPLY)

NEW QUESTION: 24
What is the maximum length allowed for individual slag trapped in a weld in a Severe Cyclic Conditions piping system?
A. ³12T
B. >TW X 3
C. 3/23"
D. £TW / 3
Answer: D (LEAVE A REPLY)

NEW QUESTION: 25
What is the most common use for a globe valve?
A. Allow full flow
B. Stop all flow
C. Regulate fluid flow
D. Prevent back flow
Answer: (SHOW ANSWER)

NEW QUESTION: 26

When environmental or operating conditions produce snow and ice loads, these are considered to be.

A. live loads

B. structural loads

C. Dead loads

D. environmental loads

Answer: A (LEAVE A REPLY)

NEW QUESTION: 27

In the AWS D 5.1, what is the designation for cellulose DCEP electrode?

A. E 7018

B. E 6011

C. E 6010

D. E 7016

Answer: (SHOW ANSWER)

NEW QUESTION: 28

Without the benefit of an impact test, what is the minimum operating temperature for A-106 Grade B material used in a Category D Fluid Service?

A. -29°F

B. -20°C

C. 0°F

D. -20°F

Answer: D (LEAVE A REPLY)

NEW QUESTION: 29

In lieu of the required heat treatment after welding, what may be used as an alternative?

A. Strain Harmonics

B. Air Hardening

C. Quenching

D. Normalizing/annealing

Answer: D (LEAVE A REPLY)

NEW QUESTION: 30

Welding repairs of cracks that occurred in-service should not be attempted without prior consultation with the

A. piping engineer

B. plant manager

C. inspector only

D. welding foreman

Answer: A (LEAVE A REPLY)

NEW QUESTION: 31
Aboveground piping is subject to atmospheric corrosion.
What is buried piping subject to?
A. Soil electrolytes
B. Erosion
C. Soil corrosion
D. Anodic reaction
Answer: C (LEAVE A REPLY)

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NEW QUESTION: 32
Besides ultrasonic instruments, what other method can be used to determine thickness measurements?
A. AET
B. RT
C. ET
D. MT
Answer: (SHOW ANSWER)

NEW QUESTION: 33
Radiographic profile techniques are preferred over ultrasonic thickness measuring instruments for pipe diameters of:
A. NPS 2 and under
B. NPS 1 'and over
C. NPS 1 and under
D. NPS 2 and over
Answer: (SHOW ANSWER)

NEW QUESTION: 34
In piping systems, the most easily detected problem during operation is.
A. pipe coating condition
B. pipe wall thinness

C. leaks
D. pipe wall thickness
Answer: C (LEAVE A REPLY)

NEW QUESTION: 35
The valve used to automatically prevent back flow is valve.
A. ball check
B. globe
C. slide
D. gate
Answer: (SHOW ANSWER)

NEW QUESTION: 36
Piping systems that are not located in high activity areas and do not significantly vaporize are designated as_____.
A. Class 2
B. Owner/user designated system
C. Class 1
D. Class 3
Answer: D (LEAVE A REPLY)

NEW QUESTION: 37
What is the pressure design thickness of NPS10A516 Gr.65 Type 22 pipe that operateat 1200psig/750°F
A. 0.432"
B. Not enough in formation given
C. 0.46"
D. 0.928"
Answer: C (LEAVE A REPLY)

NEW QUESTION: 38
All proposed methods of design, execution, materials, welding procedures, examination and testing must be approved by the.
A. inspector only
B. inspector or piping engineer
C. new construction contracts
D. plant manager
Answer: (SHOW ANSWER)

NEW QUESTION: 39

With respect to a Class 400, NPS 12 slip on raised face flange, whose edges of the gasket do not extend to the bolt, what is the outside diameter of the gasket?
A. 18.00"
B. 16.50"
C. 12.75"
D. 15.00"
Answer: (SHOW ANSWER)

NEW QUESTION: 40
375"
0.190"
0.03 inches/year 5 Years
MAWP:
A. 323 psig
B. 674 psig
C. 125 psig
D. Metal loss exceeds the requirements for 5 year inspection interval
Answer: B (LEAVE A REPLY)

NEW QUESTION: 41
provides general requirements and detailed assessment procedures for specific types of degradation that are referenced in API 570.
A. API 653
B. ASME 816.5
C. API RP 579
D. API 598
Answer: C (LEAVE A REPLY)

NEW QUESTION: 42
Is the attached PQR properly qualified?
A. No, because RT is not allowed during PQR qualification
B. Yes
C. No, because peening is allowed by ASME B31.3
D. No, because there are not enough tensile tests
Answer: D (LEAVE A REPLY)

NEW QUESTION: 43
What is the maximum allowable deviation for the ammeter on each piece of magnetizing equipment?
A. 15%
B. 20%

C. 10%
D. 30%
Answer: (SHOW ANSWER)

NEW QUESTION: 44
On a class 1500 NPS 4 blind flange, what is the minimum thickness permitted?
A. 1.12"
B. 2.88"
C. 1.88"
D. 2.12"
Answer: (SHOW ANSWER)

NEW QUESTION: 45
Buried piping inspected periodically by excavation shall be inspected in lengths of:
A. Any length as long as It IS Inspected full circumference.
B. 3 feet -5. feet
C. Any length as long as it is inspected 180° circumference.
D. 6 feet -8 feet.
Answer: D (LEAVE A REPLY)

NEW QUESTION: 46
When an entire piping assembly is to be heat treated, but it will not fit into the furnace, what action should be taken?
A. Radiograph the untreated area
B. MT the untreated area
C. Heat treat in more than one heat, with a 1" overlap
D. Heat treat as much as possible and hardness test the untreated area
Answer: C (LEAVE A REPLY)

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NEW QUESTION: 47
Give the corresponding "P" number for SA 414 Gr.A material
A. 3

B. 1
C. 2
D. 11B
Answer: B (LEAVE A REPLY)

NEW QUESTION: 48
When may welding not be performed?
A. If the weld area is not in direct sunlight
B. If the weld area is in an inert atmosphere
C. If the weld area is frosted or wet
D. If the weld area is above 120° F
Answer: C (LEAVE A REPLY)

NEW QUESTION: 49
Which of the following methods can be used to join cast iron pipe?
A. Epoxy resin
B. Welding
C. Bell and spigot
D. Compression
Answer: C (LEAVE A REPLY)

NEW QUESTION: 50
The minimum allowable thickness of a piping component shall be based on.
A. previous experience of the owner
B. availability of piping materials
C. pressure, mechanical and structural considerations
D. corrosiveness of the product only
Answer: C (LEAVE A REPLY)

NEW QUESTION: 51
What is a thermocouple pyrometer?
A. A vibration device that generates heat through friction producing a stress relieved weldment
B. A flammable material that, when ignited, will create enough heat to stress relieve piping
C. A device taped to the pipe that will record temperature variations
D. A device used to check the heat treatment temperature, usually connected by capacitor discharge welding
Answer: D (LEAVE A REPLY)

NEW QUESTION: 52
The formula t = PD/2SE computes the.

A. minimum piping thickness
B. maximum piping thickness
C. Minimum required piping thickness
D. average piping thickness
Answer: (SHOW ANSWER)

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