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Exam : **API-570**

Title : Piping Inspector

Version : DEMO

1.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 2, Sch.80, A 106 B
2.375”
0.190”
0.03 inches/year 5 Years
MAWP:
A. 674 psig
B. 323 psig
C. 125 psig
D. Metal loss exceeds the requirements for 5 year inspection interval
Answer: A

2.What is the pressure design thickness of NPS 10, A516 Gr.65 Type 22 pipe that operate at 1200 psig/750°F
A. 0.432”
B. 0.46”
C. 0.928”
D. Not enough information given
Answer: B

3.A leak test is an alternative to inspection of buried piping.
What is the minimum liquid pressure to adequately conduct this test?
A. 1 1/2 times the MAWP
B. 1 1/4 times the MAWP
C. 10% greater than MAWP
D. Actual MAWP
Answer: C

4.For a single wall material thickness, over 0.375” through 0.50”, what is the hole type designation for a source side penetrameter
A. 15
B. 17
C. 20
D. 25
Answer: B

5.Give the corresponding “P” number for SA 414 Gr.A material
A. 1
B. 2
C. 3
D. 11B

Answer: A