

Industrial Safety - Test # 2

Please turn test in on Thursday, Feb 8 at the end of class

Name _____

Textbook – Intro to Oil and Gas Operational Safety

Please write your answers on this page

Please read Chap 3 (Risk Management) and 4 (Documentation) sections described below

1. True or False. The first step to reduce risks are to identify risks & to do risk assessments. Pg. 22
2. True or False. A hazard is something that can hurt people or damage equipment. Pg. 22
3. True or False. A risk is the likelihood that it will occur and how severe the impact is. Pg. 22
4. List the 5 step approach to risk assessment. Pg. 22, 3.1.3

5. True or False. A qualitative assessment is based on experts' opinion as to whether existing practices are effective and adequate. Pg. 23, 3.1.4
6. True or False. To reduce risks, we can eliminate the risk, substitute another activity, develop engineering controls or develop a new administrative procedure. Pg. 23
7. List the 5 ways we define likelihood. Pg. 24, Table 3.1

8. List the 5 ways we can define severity. Pg. 24, Table 3.1

9. True or False. In Fig 3.1, the highest risks are in lower left corner of the matrix. Pg. 24
10. True or False. A HAZID is another hazard identification tool. Pg. 25, 3.2.2
11. True or False. A hazard checklist, such as Table 3.2 is a way to consider hazards. Pg. 25
12. True or False. A HAZOP study is conducted 5 years after the facility has been in operation. Pg. 26, 3.2.3
13. True or False. When we use the phrase "As low as reasonably possibly," it is similarly understood by all experienced people. Pg. 28, 3.2.5
14. Barriers are important to protect people. Draw Fig 3.4 below

15. True or False. Flash fire and explosion computer modeling is done to assess risks. Pg. 32, 33
16. True or False. Chapter 4 discusses how an organization documents to others that they are doing an effective job assessing and fixing risks to protect people. Pg. 35
17. List the 5 main categories of a SMS (Safety Management System). Pg. 38

18. True or False. It cost \$ 100 for students to join SPE
19. Describe a near miss

20. Why do workers care about OSHA?

Each question is 5 points