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Started on Thursday, 27 February 2020, 8:05 PM

State Finished

Completed on Thursday, 27 February 2020, 9:03 PM

Time taken 58 mins 19 secs

Marks 108.75/141.00

Grade 77.13 out of 100.00

Question 1

Complete

Mark 8.00 out of 8.00

Chapter 1.1: The Engineer's Survival Guide

(8 marks total for all correct responses; 2 marks for each correct response in order; 1 mark for each correct response but not in the correct order; no penalty for each incorrect response or no response)

List the key points for the Engineer's Survival Guide, in order, below:

1.
2.
3.
4.

Question 2

Complete

Mark 2.25 out of 3.00

Recall the Piper Alpha Case Study, where the Day Engineer submitted a PTW for maintenance on Pump A, along with the subsequent decisions and actions of the Night Engineer and the Supervisor (who assumed that Pump A was safe to start).

We will begin by considering **the situation**. Listed below are several potential descriptors of the **situation**. Select the **FOUR** descriptors which best describe **the situation** from the Piper Alpha Case Study. (3 marks for the correct responses; no penalty for incorrect response; 0 marks for no response.)

Select all that apply:

- ☒ Pump A's pressure relief valve was replaced with a temporary metal plate. [cross out](#)
- ☐ The handover meeting between the Day and Night Shift did not discuss the PTW for Pump A. [cross out](#)
- ☐ No response. [cross out](#)
- ☒ The Day Engineer signed off on the PTW for Pump A [cross out](#)
- ☒ Both the Night Engineer and Supervisor decided to put Pump A back online. [cross out](#)
- ☒ The Off-shore Installations Manager at Claymore, the other off-shore rig, continued to pump oil into the distribution system. [cross out](#)

Question 3

Complete

Mark 2.00 out of 3.00

Concerning the situation as described in the previous question, what was **the issue** with the situation? Listed below are several potential **issues**. Select **THREE** responses to fully describe all potential **issues** with the situation. (3 marks for correct responses, no penalty for each incorrect response; no penalty for no response.)

Select all that apply:

- ☒ The Night Engineer and Supervisor were rushing to put Pump A back online. [cross out](#)
- ☐ No response [cross out](#)
- ☐ The Day Engineer did not communicate with the Night Engineer that Pump A was not safe to start. [cross out](#)
- ☒ The Day Engineer mismanaged the PTW associated with Pump A. [cross out](#)
- ☒ The Off-shore Installations Manager at Claymore resisted shutting down despite the urgent requests by his assistant. [cross out](#)

