Demo Exam LeanAcademy Demo



Examination and regulations

Welcome to the Demo Exam of the LeanAcademy demo. Please note that questions similar to these from this document can be part of the official exam. The submitter of the exam has 24 hours to submit the official exam to the LeanActivity-Team.

Feel free to go through the exam. In the case of an official exam application, the submitter must print out this document and send-in a copy of the file within the given time. Have fun with this demo exam!

The LeanActivity-Team



Examination and regulations

Welcome and good luck with the final exam of the LeanAcademy Season 1 in the field of Lean Manufacturing.

The processing time for this exam is **24 hours** after receiving the exam by email. The processed exam must be sent to us via email within the specified 24 hours. If this is not the case, the exam will be counted as failed.

The exam has to be printed out and filled in by hand. Once finished, make sure to scan the exam legibly and **send it back** to <u>exam@leanactivity.com</u> as PDF copy or photo.

The examination is considered passed when 65% of the total number of points is achieved.

The LeanAcademy-Team will inform you about your final score via e-mail within 14 days.

I accept the terms presented on this page:

Date, Signature





Question 1: The Principles of Lean Manufacturing

Explain the mindset and principles of Lean Manufacturing below. When referring to illustration 1, further describe the principle of continuous improvement What else does the illustration tell us about the principles of Lean?



Illustration 1: The Lean Principle



LeanActivity.

Question 2: The Kanban Loop

The illustration 2 shows a basic Kanban process between station 1 and station 2.

- Describe the basic principle of the Kanban approach in a few sentences below
- 2. Which requirements must be met in order to implement a Kanban process?
- 3. Name three advantages / strengths of Kanban-controlled logistic processes



Illustration 2: Kanban process



Question 3: Digital Production and Assembly

Give a look to the criteria described in the Smart Factory Guide below.



1. Give a detailed explanation of each of the 6 given criteria and describe how these criteria looks like and interact with each other in a smart factory environment.

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