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Kanban, Value Stream Mapping and Kaizen

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1. The 5 "Whys" to be considered during a Root Cause Analysis are...?

1 / 1 point

- ☐ Who, Who, Who, Who, and Who
- ☐ Who, What, When, Where and Why
- ☒ Why, Why, Why, Why and Why
- ☐ Who, Why, Why not, When, What

✓ **Correct**

Please review the resource titled "Video: The 5 Whys".

2. What is the purpose of the lean tool "Kaizen"?

1 / 1 point

- ☒ An improvement activity to create more value and remove waste.
- ☐ To create a map of the physical path taken by the product as it passes through the process.
- ☐ To analyze the forces supporting or resisting a particular change.
- ☐ To ensure that the workstation does not make anything until the next work center requests supply.

✓ **Correct**

Please watch the video in reading titled "intro to Kaizen."

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3. Which of the following can be used to do **5 Whys** analysis?

1 / 1 point

- ☐ A grid diagram
- ☐ A node graph
- ☒ A fishbone diagram
- ☐ A sin diagram

✓ **Correct**

Please watch the video in reading titled "5 whys".

4. In Kanban, a developer pulls the next item to work on from the:

0 / 1 point

- ☐ managers who determine which tasks will be performed
- ☐ clients determining the tasks
- ☒ product backlog
- ☐ previous column on the board

! **Incorrect**

Please review the "Kanban for Software Development" video.

5. You are a developer on a team using a Kanban board to manage flow. You work on Step X within the process and it just so happens that you are looking for more work.

1 / 1 point

The Kanban board is set up as follows:

- Step X has a WIP limit of 3.
- Step X is divided into "Doing" and "Done."
- The number of items in "Doing" column is 2.
- The number of items in "Done" column is 1.

Without violating the rules of the Kanban board, what should you do? Select all that apply.

- ☐ Ignore the WIP limit of 3. Pick the next item to work on from the previous column.
- ☒ Help the group (that picks work from following column) finish their work so they can pull an item from Done column of Step X. That will allow you to pick an item from previous step.

✓ **Correct**

Please watch "Kanban for Software Development".

- ☒ Talk to the team about adjusting the WIP limit because increasing the WIP limit will create a better flow of work.

✓ **Correct**

Sometimes, WIP limits need to be adjusted for better flow. Please watch "Kanban for Software Development" for more information.

- ☐ Push the done item to next column/step without considering the WIP limit of next column/step.

6. Which of the following statements are true about Value Stream Mapping? Select all that apply.

0.75 / 1 point

☒ Value-added activities are activities that add value from customer perspective.

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✓ **Correct**

Please watch the "Value Stream Mapping" video.

☒ There is no need to identify the non-value-added map as it does not add value for the customer.

! **This should not be selected**

Please watch the "Value Stream Mapping" video.

☒ Cycle Time is total time taken for Value Stream.

✓ **Correct**

Please watch the "Value Stream Mapping" video.

☐ It is recommended that you go to the place where work is happening because that will distract the people working and will skew your value stream map.

7. What is the formula to calculate the **Process Cycle Efficiency**?

1 / 1 point

☒ Value Added Time / Cycle Time

☐ Value Added Time / Non Value Added Time

☐ (Value Added Time - Non Value Added Time) / Total Cycle Time

☐ Value Added Time - Non Value Added Time

✓ **Correct**

Please watch the "Value Stream Mapping" video.