Reading technical documentation assessment

Name and surname: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| **Ʃ 100 points** |  |

 Points:

**Written test**

**Learning outcome 1: Identify a type of documentation and follow the rules of Technical Documentation Management (TDM);**

**Learning outcome 2: Interpreting the handouts**

**Learning outcome 3: Determining machining and surface finish**

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| **Ʃ 50 points** |  |

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| **Ʃ 50 points** |  |

**Practical test**

*Disposition:*

**Task 1**

The individual is handed a commercial product catalogue. (S)He will have to define the features and parameters of selected product.

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| **Ʃ 15 points** |  |

**Learning outcome 1: Identify a type of documentation and follow the rules of Technical Documentation Management (TDM)**

**Execution**

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| 1 point |  |

1. The individual correctly identifies a type of documentation.

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| 4 points |  |

2. The individual correctly explains the purpose of the commercial-technological documentation in the context of production. Gives examples.

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| 2 points |  |

3. The individual correctly names and gives examples of national norms (and international norms if requested).

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| 3 points |  |

4. The individual names all relevant characteristics of the selected item (material, proportions, fysical properties, assembly parts etc.).

**Presentation**

1. The individual uses correct terminology.

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| 1 point |  |

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| 2 points |  |

2. The individual shows analytical, structured thinkig.

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| 1 point |  |

3. The individual acts autonomely.

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| --- | --- |
| 1 point |  |

4. The individual is able to detect own mistakes, corrects them.

**Task 2**

The individual is handed a blueprint (CAD/CAM, 3D) of a product consisting of assembly parts. (S)he has to define the features and parameters of selected product. Related to this the individual has to propose the most efficient manufacturing method/-s and explain them based on calculation.

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| **Ʃ 35 points** |  |

**Learning outcome 2: Interpreting the handouts**

**Learning outcome 3: Determining machining and surface finish**

**Learning outcome 4: Determining material, energy and time consumption**

**Planning**

1. The individual reads, analyses and understands the task.

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| 2 points |  |

2. The individual chooses appropriate aids to fulfill the task.

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| 1 point |  |

3. Schedules the time-frame for effective and in-time accomplishment of the task.

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| 2 points |  |

**Execution**

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| 2 points |  |

1. The individual determines the product from the drawing and the parameters (based on explanation of material/auxiliary material, lines, symbols, labels, marks etc.).

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| 2 points |  |

2. The individual explains the property of the surface, explains the surface finish technology from the drawing.

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| 2 points |  |

3. The individual proposes the manufacturing process, explains it from the drawing.

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| 5 points |  |

4. The individual perform calculations to justify the manufacturing/technological proposals (material, cut-offs, energy, time consumption).

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| 4 points |  |

5. The individual proposes the most efficient operation sequence, proposes work-flow, drafts work-flow diagram.

**Documentation**

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| 3 points |  |

1. The learner prepares all required documentation for further working based on TDM principles.

2. The learner explains life-cycle of documentation: a) traditional, b) computer-aided.

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| 2 points |  |

**Presentation**

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| --- | --- |
| 1 point |  |

1. The individual uses correct terminology.

2. The individual shows analytical, structured thinkig.

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| 2 points |  |

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| --- | --- |
| 1 point |  |

3. The individual acts autonomely.

4. The individual is able to detect own mistakes, corrects them.

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| 1 point |  |