Instructions for the exam in Product Generation Engineering
State 02.09.2020
General Information

Duration

- The editing time is **120 minutes**.
- Prior there are **10 minutes** to read the tasks.
- Total duration: **130 minutes**
General Information

Permitted Aids

- Non-programmable **calculators**

- **Dictionaries** (Only *real* books)! Electronic Dictionaries are not permitted! Dictionaries will get checked by us at the start of the exam.

- **Red pens** and **pencils** are not permitted! Use a normal (black or blue) **ball-point pen**.

- Own paper, Notebooks or similar is not needed. The required paper for the exam will be provided in sufficient quantity.
General Information
Processing the exam

- The Exam consists of a **collection of exercises** and a **double sided answer sheet**.
- Solutions have to be marked solely on the **answer sheet**. **Notes** on the collection of exercises are **permitted** but will not be graded.
- Answers on the **collection of exercises will not be graded**. The back of the sheet can be used for calculations.
- **Corrections** can be done by **blackening** the set **cross** and putting a new cross.
A **manual correction** is only needed, if an **already blacked out box is chosen again**.

Then the cross to be graded has to be marked **clearly** on both the answer sheet and the collection of exercises. (e.g. by circling it or setting an arrow).

The **number** of the task to be manually corrected has to be **noted in the designated area** on the collection of exercises.

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**Manual correction:**
Only enter tasks for which you would like to have a blackened cross scored (clearly mark the correct solution on both the collection of exercises as well as the answer sheet).

**Aufgabennummer**


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Manual Correction

Please enter your student number. Otherwise it is not possible to identify the student and to correct the exam manually.

Student number: 1 2 3 4 5 6 7

Please additionally add your seat number above the explanation.

Duration: 120 minutes (+ 10 minutes to read the tasks)

Permitted tools: calculator (not programmable), dictionary

The exam comprises 10 tasks. Each exam sample has 28 pages (including the cover sheet).

Please complete the tasks on the answer sheets. You may use the back of the page for additional calculations. Those will not be graded.

It is not allowed to use red pens, fineliners or pencils! Please use a regular ball-point pen.

Points are awarded separately for each subtask. Example: If wrong answers are given in task 1.1, this has no effect on subtask 1.2. The indicated points refer to the individual task.

Do not remove the staple from the task sheets. Submit the task sheets and the double-sided answer sheet.

The tasks refer to the contents of the summer semester 2019 as well as the summer semester 2020.

Manual correction:

On the collection of exercises:

12: 2 + 3 = ? (2 points, evaluation: 2)

A) 1
B) 3
C) 5
D) 7

On the answer sheet:

12:

A  B  C  D
Enter your student number also on the collection of exercises. Only then a manual correction is possible!
Scoring

Rating

- **No less than 0 points** can be achieved per sub-task.

- **Single Choice:**
  Points will be awarded only for the **correct solution**.

- **Multiple Choice:**
  Points will be given for **every correctly set cross** and **correctly not set cross**. Wrongly set crosses or wrongly not set crosses lead to point deduction.

- The stated points are showing the **maximum achievable points** of the task.
The sub tasks are independent of one another.

The PGE-exam of winter semester 2019/2020 could not take place on the 09.04.2020. Tick the correct statements:

1 Which virus was the cause of the shift of the PGE-ecam 2020?
- [ ] A/H1N1
- [ ] Sars-CoV-2
- [ ] A/H5N1
- [ ] HIV

Sub task 1

2 Which sickness is caused by it?
- [ ] Swine flu
- [ ] Covid-19
- [ ] Bird flu
- [ ] AIDS

Sub task 2
The **evaluation factor** states the weighting of a correctly and correctly not set cross (one checkbox always has a basis of 1 point. This will be multiplied by the evaluation factor).
Scoring
Single Choice

- Only one cross is permitted in a single choice task.
- There is only one possible answer.
- Wrong answers and multiple crosses lead to 0 points.
- Single choice tasks are indicated by:
  Note: Only one answer is possible. Wrong answers lead to 0 points.
Example
Single Choice

Wrongly answered:
Question 1: $2 + 3 = ?$ (2 points, evaluation: 2)

- 0P [x] 1
- 0P 3
- 0P 5
- 0P 7 $\rightarrow$ 0 points achieved

Correctly answered:
Question 1: $2 + 3 = ?$ (2 points, evaluation: 2)

- 0P 1
- 0P 3
- 2P [x] 5
- 0P 7 $\rightarrow$ 2 points achieved
Scoring
Multiple Choice

- More than one cross is permitted in a multiple choice task.

- There are one or more possible answers.

- Wrong answers (wrongly set crosses and wrongly not set crosses) lead to point deduction.

- Multiple choice tasks are indicated by:
  
  Note: Multiple answers are possible. Wrong answers will be penalized.
Example

Multiple Choice

Wrongly answered (1):

Question 2: Which facts about Germany are correct? (2 points, evaluation: 0,5)

-0,5P ✗ Germany has 3 timezones.
-0,5P 31 percent of Germany's area is forest.
0,5P ✗ Germany was the first country to introduce the summer time.
0,5P Germany's highest point is 3113 m.

→ 0 points achieved

Wrongly answered (2):

Question 2: Which facts about Germany are correct? (2 points, evaluation: 0,5)

-0,5P ✗ Germany has 3 timezones.
0,5P 31 percent of Germany's area is forest.
0,5P ✗ Germany was the first country to introduce the summer time.
0,5P Germany's highest point is 3113 m.

→ 1 point achieved
Example

Multiple Choice

Correctly answered:

Question 2: Which facts about Germany are correct? (2 points, evaluation: 0.5)

0.5P  Germany has 3 timezones.
0.5P  31 percent of Germany's area is forest.
0.5P  Germany was the first country to introduce the summer time.
0.5P  Germany's highest point is 3113 m.

→ 2 points achieved
Good luck!