



PGE exam

Notes on the checkbox selection procedure for the written exam

Duration and aids

General information



- Processing time 120 minutes
- At the beginning 10 minutes additional reading time
 - ► Total duration: 130 minutes



- Non-programmable calculators
- Ruler, Geotriangle
- German and English dictionaries (bound, not electronic!)



- Electronic devices (smartphone etc.)
- Pencils, felt-tip pens, red pens, etc.
 - Use a document-proof pen (
- Own paper, collections of formulas etc.
 - ▶ Use the back of the exam

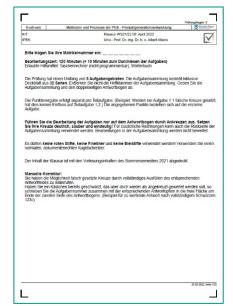


Structure of the exam

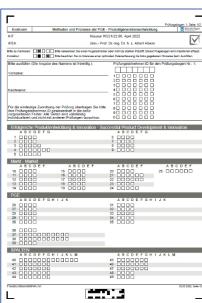
General information

Karlsruhe Institute of Technology

- You will receive 2 parts:
 - **■** Collection of questions
 - Answer sheet (double-sided!)
- Please only mark answers that are to be evaluated with a cross on the answer sheet. The collection of questions is not rated!
- Both parts must be handed in!



Collection of questions



Answer sheet



Structure of the exam

General information



Several task blocks (approx. 9 subject areas)

Successful product development & innovation

Problem solving & SPALTEN

Process models & iPeM

. . .

- Individual tasks in principle independent of each other
 - Exception: Answers have common question text and similar answers are asked one after the other



Name and matriculation number on answer sheet

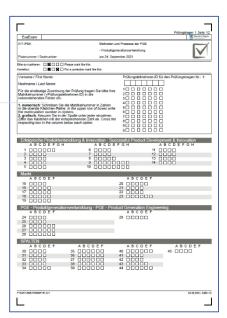
General information



- On the answer sheet...
 - Note names legibly
 - Enter the matriculation number numerically **and** check it in the matrix

Vorname / First Name: Kim	Prüfungsteilnehmer-ID für den Prüfungsbogen Nr.: 1:
Nachname / Last Name: Exam	[1 9 8 7 6 5 4]
Für die eindeutige Zuordnung der Prüfung tragen Sie bitte Ihre Matrikelnummer (=Prüfungsteilnehmer-ID) in die	
nebenstehenden Felder ein.	3
numerisch: Schreiben Sie die Matrikelnummer in Zahlen in die oberste Kästchen-Reihe. In the upper row of boxes write	4 🗆 🗆 🗆 🗆 🖾
	5
the matriculation number in ciphers.	
 grafisch: Kreuzen Sie in der Spalte unter jeder einzelnen Ziffer das Kästchen mit der entsprechenden Zahl an. Cross the respecting box in the column below each cipher. 	7
	8 🗆 🗆 🗆 🗆 🗆
	9 🗆 🖾 🗆 🗆 🗆 🗆
	0

Example



Answer sheet



Overview of task types

Tick the answers to be evaluated



Examples of questions for a fictitious written examination task 42

Checkmark
examples to the
fictitious
examination task 42

Single Choice

Which Chancellor was the first in

(2 points, weighting: 2)

points*.

the Federal Republic of Germany?

A) Ludwig Erhard

B) Konrad Adenauer

C) Helmut Schmidt

Note: Only one answer is possible.

D) Angela Merkel

Incorrect answers will result in 0

Multiple Choice

Which of the persons named were or are Chancellors of the Federal Republic of Germany? (2 points, weighting: 0.5)

- A) Ludwig Erhard
- B) Konrad Adenauer
- C) Helmut Schmidt
- D) Angela Merkel

Note: Several answers are possible. Incorrect answers will result in points being deducted*.

ABCD

rmany? ascending order of their term of office: (2 points, weighting: 0.5)

A) Ludwig Erhard
 B) Konrad Adenauer

Sort the previous chancellors of the

Federal Republic of Germany in

C) Helmut Schmidt

Matrix

D) Angela Merkel

Note: Only one answer per line is possible. Incorrect answers result in 0 points per line.*

 Λ D C D

	A D C D
42.1	$\squareig \boxtimes \square$
42.2	
42.3	

42.4

*Points are only deducted for answer options within a task. No negative points are awarded for tasks.



Task type Single Choice

Tick the answers to be evaluated



- Only one correct answer option
- Only one cross should be placed
 - Wrong answers and multiple crosses lead to 0 points

Which Chancellor was the first in the Federal Republic of Germany? (2 points, weighting: 2) Note: Only one answer is possible. Incorrect answers will result in 0 points. A) Ludwig Erhard B) Konrad Adenauer C) Helmut Schmidt D) Angela Merkel Answer sheet Sample Solution 42 0 points Checkmark examples 42 0 points 0 points



Task type Multiple Choice

Tick the answers to be evaluated



- One or more correct answer options
- Deduction for ticked wrong answer options
- Deduction for not ticking the correct answer options
 - No negative points for task, minimum 0 points

Collection of questions

Which of the persons named were or are Federal Chancellors of the Federal Republic of Germany?

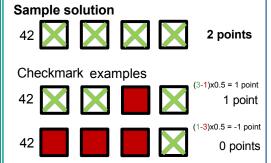
(2 points, weighting: 0.5)

Note: Several answers are possible. Incorrect answers lead to Point deduction.

IPEK - Institute of Product Development

- A) Ludwig Erhard
 - B) Konrad Adenauer
 - C) Helmut Schmidt
 - D) Angela Merkel

Answer sheet





Task type Matrix

Tick the answers to be evaluated



- One correct answer option per line (see Single Choice)
- Each answer option only correct once
 - Place only one cross in each row and column

Collection of questions

Sort the previous Chancellors of the Federal Republic of Germany in ascending order of their term of office:

(2 points, weighting: 0.5)

Note: Only one answer per line is possible. Incorrect answers result in 0 points per line.

- A) Ludwig Erhard
- B) Konrad Adenauer
- C) Helmut Schmidt
- D) Angela Merkel

Answer sheet

Sample Solution	
42.1	2 points
42.2	
42.3	
42.4	

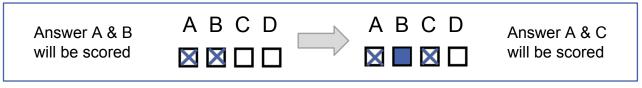


Correct answer - Redaction

Change the desired answer selection



- Black out the answer to be deselected (fill in completely)
- Check the newly selected answer



Change example from fictitious exam task 42

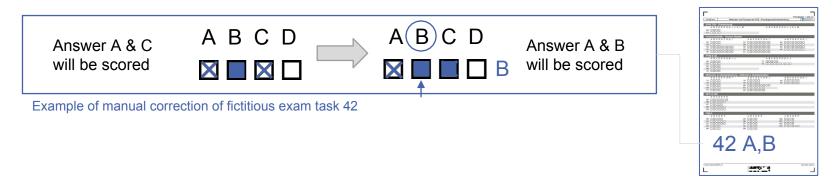


Correct answer - Manual correction

Change the desired answer selection



- If a completed answer that has already been deselected is to be evaluated after all (and only then!), a manual correction is necessary:
 - Clearly mark the answer to be evaluated
 - Note the task number with the selected answers in the blank space at the end of the answer sheet (back)





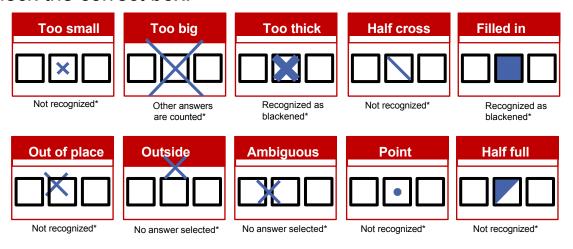
Place crosses correctly

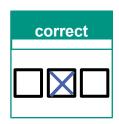
Notes and information



Pen:

- Document-proof (e.g. ballpoint pen) in black or (dark) blue color
- No thick felt-tip pens (risk that crosses are recognized as completely filled in boxes and therefore not counted)
- Check the correct box:





*is considered wrong in case of doubt - also in the insight!



Good luck in the exam!!!



