

Arquitetura de Computadores II

How to correctly answer in a theoretical exam (4 pages)

General notes

- The theoretical exam is carried out on paper, in a multiple-choice format and without consultation of other materials.
- In the exam's header, in addition to his name, the student must legibly fill in his student number. This number should be placed at the top of the answer matrix (12345 in the example on the right). Failure to complete this field determines that the test will not be corrected. NOTE: each digit of the student number must be placed inside a square, starting with the 1st on the left, and ensuring that it does not overlap the lines delimiting it. If the student number has less than six digits, the remaining squares on the right must be empty.
- During the test, all electronic device are expressly not authorized in the vicinity of the student, even if turned off (this list includes calculators, cell phones and smartwatches). If such a device is detected during the duration of exam it implies its immediate cancellation.
- All non-essential material for the exam, such as coats, backpacks, wallets or cases, should be left at the front or back of the room where the exam is taken. The student can only carry with him writing material (pen, pencil, eraser, ...) and an identification document.
- Unstapling the pages that compose the exam is not allowed.
- All the free area throughout the test pages can be used a scratch zone. The exception to this rule corresponds to the header in the first page and the gray area indicated in the example above (delimited by a vertical and a horizontal line), where writing or drawing is not allowed. Other scratch sheets will not be provided or allowed.
- The time allowed to complete the exam (to be indicated at its beginning) already includes the time needed to fill in the answer matrix.
- Withdrawal and/or delivery of exams is only possible 1 hour after its start. In the case of withdrawal, that intention must be stated clearly on the first page of the exam with the indication "I declare that I want to withdraw" together with the student's signature.
- Going to the toilet is only allowed in exceptional cases.

The diagram shows a test header and an answer matrix. The header is a gray rectangular area at the top right. Inside the header, there is a box containing the text "TESTE" and the date "02/10/2022". Below this, there is a row of five small squares, each containing a digit from 1 to 5. To the left of these digits is the text "N Mec". Below the digits, there are five vertical black bars. Below the header, there is a 6x4 grid of squares. The first column of the grid contains the numbers 1 through 6. The second column contains the letters a, b, c, and d. The third and fourth columns are empty.

	a	b	c	d
1				
2				
3				
4				
5				
6				

(continues in the next page)

How to fill in the student number

- The student number must be filled in from the first box on the left, regardless of the number of digits that composes it
- In case the student number is composed of less than six digits, the remaining squares must be left blank (example in option a) below)
- the digits must be contained in each box without touching the boundary line (see wrong example in option b))

AC1
/ /2022
N.Mec 8 1 4 6 8



a) correct input

AC1
/ /2022
N.Mec 8 4 7 3 0



b) invalid

How to fill out the answer matrix

When filling out the answer matrix, you must strictly observe the following rules (see the examples in the figure at the bottom of next page):

- Check, for each question, which is the correct answer among the four options, and mark your choice with a cross in the answer matrix (see example of the matrix at the top of the previous page).
- For each incorrect answer, a maximum of 1/3 of the quote of the respective question will be deducted from the overall rating¹.
- You can use double answers, i.e. select two answer options in a maximum of 4 questions throughout the exam. In a double answer, if you fail both options, a deduction up to 2/3 of the quote is applied. If one of your options is correct, then you get 2/3 of the quote of that question – see the footnote.
- If you use more than 4 double answers, the first 4 will be accepted and the reminding ones will be considered wrong answers.

Example of a double answer

a	b	c	d
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- Only the answers given in the answer matrix will be considered. Markings made in the questions themselves throughout the exam will not be considered for evaluation purposes.

(continues in the next page)

¹ Regarding the classification of answers, see the document “Correction Method used in AC2 theoretical exams” available in the “Avaliação” section of moodle.

- Leave all squares blank in the lines corresponding to the questions **you do not want to answer**.
- To mark one of the answer options in the matrix, you must do so by filling in the two diagonals in the corresponding box. These two diagonals must not, under any circumstances, extend outside its grid.
- You can undo (cancel) an answer that you have already marked by completely filling in the respective box.
- If you want to select an answer that you have, in the meantime, canceled, you must write, on the right of the respective line, the desired answer option (see example below). This is the only situation where you can write in the area identified in gray in the example matrix on the top page.

	a	b	c	d
How to select an answer				
How to cancel an answer				
Cancel an answer and select another				
Invalid ways of marking an answer				
How to re-mark a previously canceled answer				a)

Test/exam organization

- The test/exam consists of two or more groups of questions. Each group consists of a set of questions with a similar degree of complexity, all with the same grading. The grading of the questions can be different between groups.
- The final grade of the test/exam will be the sum of the grades obtained in each group.
- Each group will consist of N+1 questions. The maximum score that can be obtained in the group is N times the grade of each question in that group.
- In each group, the answer corresponding to the lowest score will not be considered for the calculation of the final grade. For this purpose, the situation where a double answer is used and both options are wrong is excluded. The procedure to be followed is as follows:
 1. For each group, the lowest score among all the questions is determined, considering both the answers given and the questions not answered. Double answers in which both options are wrong will not be considered for this purpose.
 2. The question (or one of the questions) that corresponds to the lowest score is not taken into consideration to calculate the score of the group.

NOTE: The lowest score (excluding double answers with both options wrong) may match one of the following cases:

1. The maximum score of the N questions of the group (if all questions were answered and are correct).
2. The score of a question with a simple answer in which the answer option is wrong.
3. The score of one or more unanswered questions (zero), whenever there are no questions with a simple answer wrong.
4. The score of a question with a double answer in which one of the options is correct, in the case that all other questions were answered and are correct.

(continues in the next page)

Examples of answers in a group with 8+1 questions (N=8)

N+1 questões c/ N = 8 (N+1 questions w/ N = 8)

	a	b	c	d	
1		<input checked="" type="checkbox"/>			b
2				<input checked="" type="checkbox"/>	d
3		<input checked="" type="checkbox"/>			b
4	<input checked="" type="checkbox"/>				a
5			<input checked="" type="checkbox"/>		c
6			<input checked="" type="checkbox"/>		c
7		<input checked="" type="checkbox"/>			b
8	<input checked="" type="checkbox"/>				a
9				<input checked="" type="checkbox"/>	d

	a	b	c	d	
1		<input checked="" type="checkbox"/>			b
2				<input checked="" type="checkbox"/>	d
3		<input checked="" type="checkbox"/>			b
4	<input checked="" type="checkbox"/>				a
5			<input checked="" type="checkbox"/>		c
6			<input checked="" type="checkbox"/>		c
7	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	b
8	<input checked="" type="checkbox"/>				a
9				<input checked="" type="checkbox"/>	d

	a	b	c	d	
1		<input checked="" type="checkbox"/>			b
2				<input checked="" type="checkbox"/>	d
3		<input checked="" type="checkbox"/>			b
4	<input checked="" type="checkbox"/>				a
5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		c
6			<input checked="" type="checkbox"/>		c
7		<input checked="" type="checkbox"/>			b
8	<input checked="" type="checkbox"/>				a
9				<input checked="" type="checkbox"/>	d

	a	b	c	d	
1		<input checked="" type="checkbox"/>			b
2				<input checked="" type="checkbox"/>	d
3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		b
4	<input checked="" type="checkbox"/>				a
5			<input checked="" type="checkbox"/>		c
6					c
7					b
8	<input checked="" type="checkbox"/>				a
9					d

	a	b	c	d	
1		<input checked="" type="checkbox"/>			b
2				<input checked="" type="checkbox"/>	d
3		<input checked="" type="checkbox"/>			b
4	<input checked="" type="checkbox"/>				a
5		<input checked="" type="checkbox"/>			c
6			<input checked="" type="checkbox"/>		c
7					b
8		<input checked="" type="checkbox"/>			a
9				<input checked="" type="checkbox"/>	d

	a	b	c	d	
1		<input checked="" type="checkbox"/>			b
2				<input checked="" type="checkbox"/>	d
3	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	b
4	<input checked="" type="checkbox"/>				a
5			<input checked="" type="checkbox"/>		c
6		<input checked="" type="checkbox"/>			c
7					b
8		<input checked="" type="checkbox"/>			a
9					d

As questões marcadas a **cyan** não são contabilizadas no cálculo da classificação do grupo.

Questions marked in **cyan** will not be accounted for the grading of the group.