<u>Dashboard</u> / My courses / MA-224-G 24H / Tests / Test 1 (topics 1-3: Introduction, Concepts, Induction, Recursion, Grammars)

Started on Wednesday, 11 September 2024, 12:04 PM

State Finished

Completed on Wednesday, 11 September 2024, 12:28 PM

**Time taken** 23 mins 53 secs

**Marks** 1.75/3.00

**Grade 1.75** out of 3.00 (58.35%)

Information

## Information

This page contains all the problems for this test. The very last problem asks you to contact the person in charge of the exam and tell him or her the 4-digit key given in the problem text. In return you will be given a 5-digit signing code which you must give as the answer to the problem.

This problem does not count towards the final score, but tests missing this code will not count towards the final grade.

The following rules apply:

- Total time allowed: 30 minutes. The test will automatically close if time runs out.
- UiA's usual rules in regards to cheating on exams apply.

Question <b>1</b>	
Partially correct	
Mark 0.75 out of 1.00	
Consider the set	
	$\{0,7,\{0\},\{0,7\},\{7\},\{\{0\}\},\{\{7\}\}\}.$
Mark all true stater	ments.
7 ∈ S	
7 ⊆ S	
<b></b> {7} ∈ S	
[7] ⊆ S	
[ {0} ∈ S	
0 ⊆ S	
Ø 0 ∈ S	
None of the a	bove
Question <b>2</b>	
Correct  Mark 1.00 out of 1.00	
Compute the least	common multiple (lcm) and the greatest common divisor (gcd) of the numbers $96$ and $684$ .
<i>lcm</i> : 5472	common mattiple (terr) and the greatest common divisor (gea) of the numbers so and oo4.
Your last a	nswer was interpreted as follows:
	5472
<i>gcd</i> : 12	
	nswer was interpreted as follows:
roar last a	12
	12

Question <b>3</b>	
ncorrect	
Mark 0.00 out of 1.00	
Consider the grammar	
Consider the granimal	
	$(\{a,b,c\},\{S,A,B,C\},S,\{(S,AB),(S,AC),(S,BC),(A,Aa),(B,Bb),(B,b),(C,Cc)\}).$
Select all the strings tha	at can be generated by this grammar.
☑ abcccc	
✓ acc	
а	
□ bc	
abbbcc	
С	
☐ bb	
☑ aaab	
abba	
✓ ab	
None of the above	·
Question <b>4</b>	
Correct	
Mark 0.00 out of 0.00	
Cianina co	do
Signing co	
	you must answer this problem with a signing code given to you by the person in charge of the test.  ng code will be ignored and will not count towards the final score.
	ig code will be ignored and will not count towards the final score.
Tests missing this signi	
Tests missing this signin	
Tests missing this signing Key: 437 Signing code: 31344	
Tests missing this signing Key: 437 Signing code: 31344	er was interpreted as follows:
Tests missing this signing Key: 437 Signing code: 31344	er was interpreted as follows: 31344
Tests missing this signing Key: 437 Signing code: 31344	
Tests missing this signing Key: 437 Signing code: 31344  Your last answer	
Tests missing this signing Key: 437 Signing code: 31344	