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

Started on Wednesday, 11 September 2024, 12:16 PM

State Finished

Completed on Wednesday, 11 September 2024, 12:33 PM

Time taken 17 mins 1 sec

Marks 1.45/3.00

Grade 1.45 out of 3.00 (48.35%)

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 1
Partially correct
Mark 0.75 out of 1.00

Consider the set

 $\{8, \{7, 8\}, \{8\}, \{\{7\}\}, \{\{8\}\}\}.$

Mark all true statements.

- 8 ⊆ S
- 7 ∈ S
- [{7} ⊆ S
- 8 ∈ S
- 7 ⊆ S
- {{7}} ⊆ S
- None of the above

Question 2	
Partially correct	
Mark 0.50 out of 1.00	

Complete the following division computations.

dividend	/	divisor	=	quotient	(remainder)
3029	/	196	=	Your last answer was interpreted as follows:	(Your last answer was interpreted as follows:)
-2870	/	148	=	Your last answer was interpreted as follows: -19	(Your last answer was interpreted as follows: -58)
Your last answer was interpreted as follows:	/	116	=	22	(26)
3025	/	Your last answer was interpreted as follows:	=	21	(43)

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Question 3	
Partially correct Mark 0.20 out of 1.00	
wark 0.20 out of 1.00	
Consider the following EBNF g	grammar.
$O \rightarrow G \mid O / O$	
$G \rightarrow Z \mid Z \mid G \mid \varepsilon$ $Z \rightarrow o \mid j \mid k \mid x \mid n \mid w \mid \varepsilon$	
Find a derivation for the follow	wing string: w / x k / w
The derivation is given as a sec	
_	quence of strings.
69	
Your last answer was in	nterpreted as follows:
	69
Question 4	
Correct	
Mark 0.00 out of 0.00	
Mark 0.00 out of 0.00	
Mark 0.00 out of 0.00	
Signing code	ust answer this problem with a signing code given to you by the person in charge of the test
Signing code Before closing the test you mu	ust answer this problem with a signing code given to you by the person in charge of the test.
Signing code Before closing the test you mu Tests missing this signing code	ust answer this problem with a signing code given to you by the person in charge of the test. e will be ignored and will not count towards the final score.
Signing code Before closing the test you mu Tests missing this signing code Key: 220	
Signing code Before closing the test you mu Tests missing this signing code	
Signing code Before closing the test you mu Tests missing this signing code Key: 220	e will be ignored and will not count towards the final score.
Signing code Before closing the test you mu Tests missing this signing code Key: 220 Signing code: 28200	e will be ignored and will not count towards the final score. Interpreted as follows:
Signing code Before closing the test you mu Tests missing this signing code Key: 220 Signing code: 28200	e will be ignored and will not count towards the final score.
Signing code Before closing the test you mu Tests missing this signing code Key: 220 Signing code: 28200	e will be ignored and will not count towards the final score. Interpreted as follows:
Signing code Before closing the test you mu Tests missing this signing code Key: 220 Signing code: 28200	e will be ignored and will not count towards the final score. Interpreted as follows: