COURSE NAME

Question Catalog

July 4, 2023

These questions use the Auto Multiple Choice package without any additional code. Some examples can be found below:

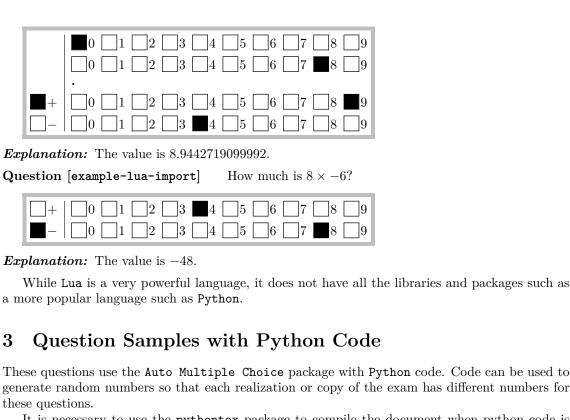
Multiple Choice: questions with only one correct answer, multiple correct answers, and even questions with no correct answers.

Open Questions: open space for the student to write a short answer or a long answer.

Range: It is also possible to have a numeric question with a range of accepted answers.

1	Question	Samp	les

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Question [example-true-false] This proposition is true.			
True False			
Explanation: A true statement is true.			
Question [example-one-choice] What is equal to one in \mathbb{Z} ?			
Explanation: There is only one 1 in the set of integers.			
Question [example-multiple-choice] Which below are the odd numbers?			
$\blacksquare 1 \qquad 2 \qquad \blacksquare 3 \qquad 4 \qquad \blacksquare 5$			
Explanation: All odd numbers are divisible by 2.			
Question [example-lastchoices] Which color do you prefer?			
red green blue I don't care I don't know			
Explanation: There is no wrong answer.			
Question [example-open] Write π with two decimal places.			
3.14			
Explanation: $\pi = 3.14$.			
2 Question Samples with Lua Code			
These questions use the Auto Multiple Choice package with Lua code. Code can be used to generate random numbers so that each realization or copy of the exam has different numbers for these questions.			
It is necessary to use the LuaTex engine to compile the document when lua code is present.			
Some examples can be found below: Question [example-lua-random] How much is $4 + 8$?			
Explanation: The value is 12.			
Question [example-lua-random-open] How much is $\sqrt{80}$?			



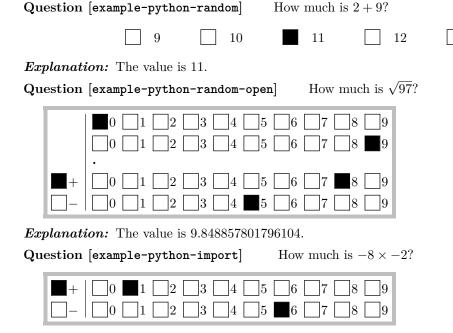
It is necessary to use the pythontex package to compile the document when python code is present.

There are some minor inconveniences, such as the need to use the commands \ \text{pure and } \ \ \text{pure and } \ \ \text{pure and } \ \ \text{pure and } \ \te

There are some minor inconveniences, such as the need to use the commands \pyc and \py to run python code inside questions.

However due to the popularity of Python, it is possible to use many libraries and packages to generate questions.

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Explanation: The value is 16.