UNIVERSITY OF KELANIYA SRI LANKA

QUESTION TYPES in MOODLE

User Guide
(Part I)

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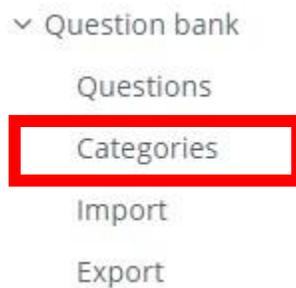
10. Essay Type Questions

Introduction

This guide is mainly focused on different question types in Moodle. The primary purpose of preparing this guide is the requirement of auto-grade online examinations in the faculty of commerce & management studies, university of Kelaniya. This document provides all basic settings to prepare nine different types of questions with relevant examples.

Before creating questions in Moodle, it is extremely important to create relevant categories and subcategories in the Moodle question bank. The question bank is the repository that you store different questions of your course unit. By default, there is one category called "Default for [name of your course]." You can organize questions by creating additional categories and subcategories. Organizing questions into categories and subcategories will help you to design a good representative question paper in Moodle.

Adding categories in to the question bank - Steps

01. Click Categories from the "Question bank" drop-down in the "Course administration" menu.

Question types in Moodle – User Guide, Faculty of Commerce & Management Studies, University of Kelaniya

02. Adding a category

03. Adding a Sub-category

Subcategories should be created under the previously created parent category/ies.

Adding questions to different categories in the question bank

Go to the question bank in the quiz administration, then select the relevant category and create questions.

Backup

Restore

> Question bank

> Course administration

Select the relevant category

Question bank

Select a category: Default for BACC 21352 Management Information Systems (18/19) (11) ▲

The default category for questions shared in context 'BACC 21352 Management Information Systems (18/19)'.
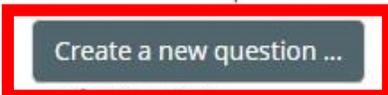
No tag filters applied

Create questions.

☐ Show question text in the question list

Search options ▼

☑ Also show questions from subcategories

☐ Also show old questions

Create a new question ...

	Question name / ID number	Actions	Created by
			Name With Initials (Mapa A B) / Student Number
☐			(AA - 2011 - 0000) / Date
			Viraj lakmal Weerawickrama Viraj lakmal

Once you click on the "Create a new question" button following window will be displayed. Select the suitable question type from the list.

Choose a question type to add

QUESTIONS

- ⭘ :€ All-or-Nothing Multiple Choice
- ⭘ ²⁺²=? Calculated
- ⭘ ²⁺²=? Calculated multichoice
- ⭘ ²⁺²=? Calculated simple
- ⭘ **Cr** CodeRunner
- ⭘ 🖩 Concept Map
- ⭘ ✛ Drag and drop into text
- ⭘ ✛ Drag and drop markers
- ⭘ ✛ Drag and drop onto image
- ⭘ ▦ Embedded answers (Cloze)
- ⭘ ▤ Essay
- ⭘ ▣ Essay (auto-grade)
- ⭘ ⌗∃ Formulas

Question Types in Moodle

Question Type 01: Multiple Choice Questions

These questions allow one and only one answer to be chosen by providing radio buttons next to the answers. You can specify negative or non-negative marks for each answer, usually zero marks for wrong answers, maximum marks for correct answers and partial marks for partially correct answers

Example

The device that acts as a connection point between computers and can filter and forward data to a specified destination is called a(n) A) hub.
> B) switch.
> C) router.
> D) NIC.
> E) modem.

ANSWER: B

Note - Use the above question format for MCQ bulk uploads to the question bank in the Moodle.

Question Settings

Enter the question text here

▾ Answers

Choice 1

hub.

Path: p » span

Grade   None   ◆

Feedback

Path: p

Choice 2

switch.

Path: p » span

Set 100% for the correct answer

Grade   100%   ◆

The Question Preview

🏠 Home   🔘 Dashboard   📅 Events   💼 My Courses ▾   🔧 This course ▾

Question **1**

Not yet answered

Marked out of 1.00

The device that acts as a connection point between computers and can filter and forward data to a specified destination is called a(n)

Select one:
- ○ a. router.
- ○ b. NIC.
- ○ c. switch.
- ○ d. hub.
- ○ e. modem.

Question **1**

Correct

Mark 1.00 out of 1.00

The device that acts as a connection point between computers and can filter and forward data to a specified destination is called a(n)

Select one:
- ○ a. NIC.
- ○ b. modem.
- ◉ c. switch. ✔
- ○ d. hub.
- ○ e. router.

Question Type 02: All-or-Nothing Multiple Choice Questions

The all or nothing question is adapted from the existing multiple choice question. The main difference from the standard Moodle multiple choice question is in the way that grading works. The teacher editing interface is slightly modified as when creating the question, the teacher just indicates which choices are correct.

In an all-or-nothing multiple-choice question, a respondent can choose one or more answers. If the chosen answers correspond exactly to the correct choices defined in the question, the respondent gets 100%.m If the student chooses any incorrect choices, or does not select all of the correct choices, the grade is 0%.

Example
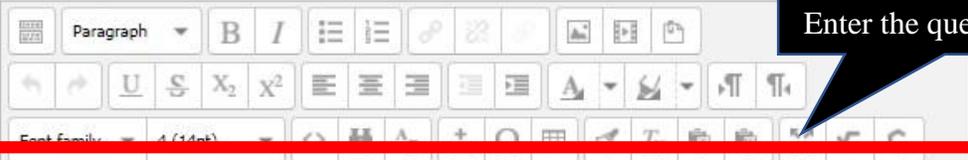
Question Settings

Current category   Current category workshop (6) ☑ Use this category

Save in category   workshop (6)   ⬍

Question name ❗   All or nothing

Question text ❗

| ⌨ | Paragraph ▾ | B | I | ☰ | ☷ | 🔗 | ✂ | 🔗 | ▣ | ▣ | 🗐 |

| ↶ | ↷ | U | S | X₂ | X² | ≡ | ≡ | ≡ | ▤ | ▤ | A ▾ | ✎ ▾ | ¶ | ¶ |

Font family 4 (14pt)

> Enter the question text here

What are the unique features of Internet and Web as commercial medium.

Choice 4

| ⌨ | Paragraph ▾ | B | I | ☰ | ☷ | 🔗 | ✂ | 🔗 | ▣ | ▣ | 🗐 |

Richness

Path: p » strong

> Select the correct answers

☑ Correct

Feedback

| ⌨ | Paragraph ▾ | B | I | ☰ | ☷ | 🔗 | ✂ | 🔗 | ▣ | ▣ | 🗐 |

Path: p

Choice 5

| ⌨ | Paragraph ▾ | B | I | ☰ | ☷ | 🔗 | ✂ | 🔗 | ▣ | ▣ | 🗐 |

Convergence

Path: p » strong

> Do not select the incorrect answer

☐ Correct

The Question Preview

Question Type 03: Short Answer Questions

In a short answer question, the student types in a word or phrase in response to a question (that may include a image). Answers may or may not be case sensitive. The answer could be a word or a phrase, but it must match one of your acceptable answers exactly. It's a good idea to keep the required answer as short as possible to avoid missing a correct answer that's phrased differently.
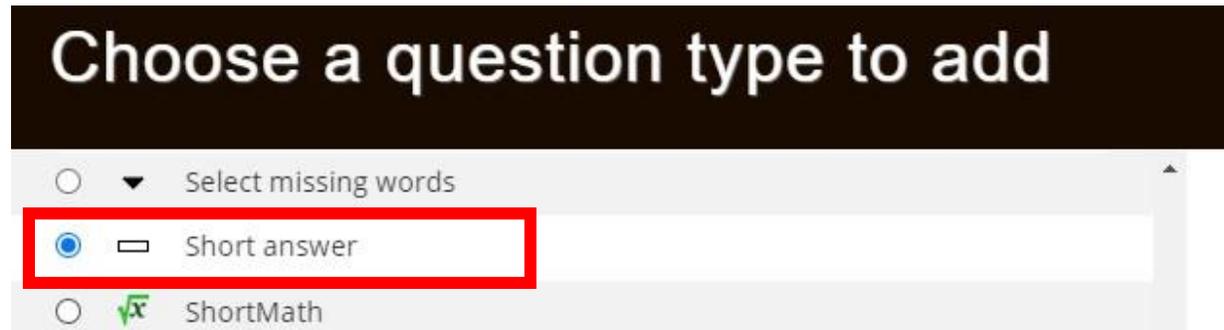
Example

Which country has the largest economy?

United States   →   **Expected Answer**

US

U.S.

United States of America   **Possible Answers**

America

Question Settings

Current category   Current category Test (7) ☑ Use this category

Save in category   Test (7)

Question name ❗   Short answer

Question text ❗

| Paragraph | B | I | ≡ | ≡ | ... | ▦ ▦ ▣ |

Font family   4 (14pt)

Which country has the largest economy?

Enter the question text

Grade should be 100% for the correct answer. This can be less than 100% for partially correct answers.

▾ Answers

Answer 1   United States   Grade   100%

Feedback

| Paragraph | B | I | ≡ | ≡ | ... |

Path: p

Answer 2   US   Grade   100%

The Preview

Question types in Moodle – User Guide, Faculty of Commerce & Management Studies, University of Kelaniya

Question Type 04: Matching Questions

Matching questions have a content area and a list of names or statements which must be correctly matched against another list of names or statements.

In the Quiz Module, each match is equally weighted to contribute towards the grade for the total question.

Example

Match the technology with the era of IT infrastructure evolution

Mainframe computers

Application Software

Integrated Software

Answers

General-purpose mainframe and minicomputer era

Personal computer era

It is possible to add extra answers as distractors to make the question more challenging.

Enterprise computing era

Distractors

Client/server era

Question Settings

Question name ⚠ matching Q

Question text ⚠

Enter the main question text here

Match the technology with the era of IT infrastructure evolution.

Enter the matching question 01 text here

Question 1

Mainframe computers

Path: p » strong

Relevant answer for the matching question 01

Answer General-purpose mainframe and minicomputer era

Question 2

Application Software

Path: p » strong

Answer Personal computer era

Question 4

Paragraph ▼ | B | I | ☷ | ☷ | ∞ | ✂ | ☒ | ▦ | ▶

When entering distractors only the
answer should be provided

Answer   Client/server era

Question 5

Paragraph ▼ | B | I | ☷ | ☷ | ∞ | ✂ | ☒ | ▦ | ▶

When entering distractors only the
answer should be provided.

Answer   Cloud and mobile computing

The Preview

Question **1**

Not yet
answered

Marked out of
1.00

Match the technology with the era of IT infrastructure evolution

Integrated Software   Choose...   ⬍

Application Software   Choose...   ⬍

Mainframe computers   Choose...   ⬍

| Choose... |
| Enterprise computing era |
| Client/server era |
| General-purpose mainframe and minicomputer era |
| Cloud and mobile computing |
| Personal computer era |

Save   Fill in correct responses   Sub

Technical information ❓ ▶

Download this question in Moodle XML format

Question 1

Correct

Mark 1.00 out of 1.00

Match the technology with the era of IT infrastructure evolution.

Mainframe computers	General-purpose mainframe and minicomputer era ✔
Integrated Software	Enterprise computing era ✔
Application Software	Personal computer era ✔

Question type 05: Select the missing word questions

This is very similar to the Drag and drop into text question type, but uses drop-down menus in the text instead of drag-boxes. This works well where the question text is very long and you would have to scroll a lot to do drag and drop.

Example

Mainframe computers were introduced in the ………………………. and Integrated software introduced in ……………………….

Answers

Blank 01 - General-purpose mainframe and minicomputer era

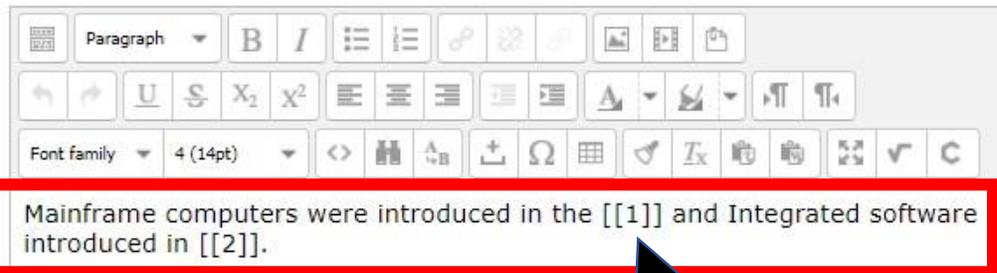Blank 02 - Enterprise computing era

Distractors

Personal computer era

Client/server era

Cloud and mobile computing

Question Settings

Enter the question text here

Mainframe computers were introduced in the [[1]] and Integrated software introduced in [[2]].

Use two square brackets with the relevant number, as per the example given here.

Enter answers first and then distractors

Group according to the relevant blank

☑ Shuffle

Choice [[1]]	Answer	General-purpose mainframe and min	Group	A ⬍
Choice [[2]]	Answer	Enterprise computing era	Group	B ⬍
Choice [[3]]	Answer	Personal computer era	Group	A ⬍
Choice [[4]]	Answer	Client/server era	Group	A ⬍
Choice [[5]]	Answer	Cloud and mobile computing	Group	B ⬍
Choice [[6]]	Answer		Group	A ⬍
Choice [[7]]	Answer		Group	A ⬍

The Preview

Question 1
Not yet answered
Marked out of 1.00

Mainframe computers were introduced in the [▼] and Integrated software introduced in

[▼]

Client/server era
Personal computer era
General-purpose mainframe and minicomputer era
Cloud and mobile computing

Question 1
Correct
Mark 1.00 out of 1.00

Mainframe computers were introduced in the [General-purpose mainframe and minicomputer era ⬍] ✔ and Integrated software introduced in

[Enterprise computing era ⬍] ✔.

Question Type 06: Drag and Drop into Text

A drag and drop question type where missing words have to be dragged into gaps in a paragraph of text.

Groups

Choices that are within the same Group are colour coded and may only be dropped in a gap with the corresponding colour. Choices that are marked as 'Unlimited may be used in multiple locations.

Example

**Buying and selling goods and services through Internet is called as ……………. and use of digital technology and Internet to drive major business processes is known as ……………..
Further use of internet technology to deliver information and services to citizens, employees, and businesses is known as ……………….**

Answers

        E-commerce

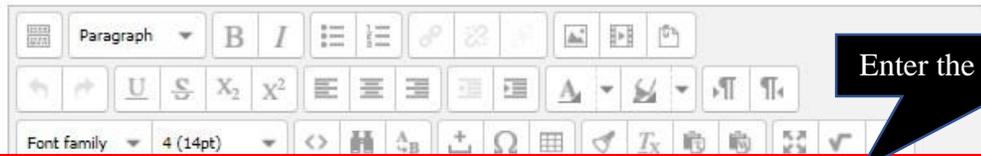   E-business

        E-government

Distractors

        Collaboration

        Social business

        Digitization

Question Settings

Question text

Buying and selling goods and services through Internet is called as [[1]] and use of digital technology and Internet to drive major business processes is known as [[2]]. Further use of internet technology to deliver information and services to citizens, employees, and businesses is known as [[3]].

Enter the question text here

Use two square brackets with the relevant number, as per the example given here.

Choice [[1]]   Answer   E-commerce   Group   A ⇅   ☐ Unlimited

Choice [[2]]   Answer   E-business   Group   A ⇅   ☐ Unlimited

Choice [[3]]   Answer   E-government   Group   A ⇅   ☐ Unlimited

Choice [[4]]   Answer   Collaboration   Group   A ⇅   ☐ Unlimited

Choice [[5]]   Answer   Social business   Group   A ⇅   ☐ Unlimited

Choice [[6]]   Answer   Digitization   Group   A ⇅   ☐ Unlimited

Group accordingly if necessary

The Preview

Drag and Drop into Text

Buying and selling goods and services through Internet is called as [_____] and use of digital technology and Internet known as [_____] . Further use of internet technology to deliver information and services to citizens, employees, and [_____] .

| E-commerce | E-business | E-government | Collaboration | Social business | Digitization |

Buying and selling goods and services through Internet is called as [E-commerce] ✔ and use of digital technology and Internet to drive major business processes is known as [E-business] ✔. Further use of internet technology to deliver information and services to citizens, employees, and businesses is known as [E-government] ✔.

| Digitization | Social business | | Collaboration |

Note: We can group answers in the Drag and drop into the text questions, so that students will be able to select answers from different groups (display in different colors).

Group according to the relevant blank

☑ Shuffle

Choice [[1]]	Answer	E-commerce	Group	A ⬍	☐ Unlimited
Choice [[2]]	Answer	E-business	Group	B ⬍	☐ Unlimited
Choice [[3]]	Answer	E-government	Group	C ⬍	☐ Unlimited
Choice [[4]]	Answer	Collaboration	Group	A ⬍	☐ Unlimited
Choice [[5]]	Answer	Social business	Group	A ⬍	☐ Unlimited
Choice [[6]]	Answer	E-commerce	Group	B ⬍	☐ Unlimited
Choice [[7]]	Answer	E-government	Group	B ⬍	☐ Unlimited

The Preview

Drag and drop answers to the given spaces.

Buying and selling goods and services through Internet is called as [   ] and use of digital technology and Internet to drive major business processes is known as [   ]. Further use of internet technology to deliver information and services to citizens, employees, and businesses is known as [   ].

| E-commerce | E-business | Collaboration | Social business |

| E-government | E-commerce | E-business | Digitalization |

| Semantic Web | Digitization | E-government |

Question Type 07: Calculated Simple Questions

Simple calculated questions offer a way to create individual numerical questions whose response is the result of a numerical formula which contain variable numerical values by the use of wildcards (i.e. {x} , {y}) that are substituted with random values when the quiz is taken.

Example

Saman earns Rs {dollars} per hour. He works {hours} hours. How much money did Saman earn?

Wild cards

{dollars}*{hours}   Grade 100%

Tolerance +- 0.01

Wild card parameters

Range value dollars 1 to 50

Range of hours   1 to 500

Generate 10

Display 10

Question Settings

Question name ❗ `08`

Question text ❗

| | Heading 1 ▾ | **B** | *I* | ≔ | ≔ | 🔗 | ✂ | 🔗 | 🖼 | ▶ | 📄 |

Enter the question text here

Saman earns Rs {dollars} per hour. He works {hours} hours. How much money did Saman earn?

▾ Answers

Grade should be 100% for correct answers (correct formula defined). More than one answers can be defined in this question type.

Answer 1 formula = `{dollars}*{hours}`   Grade `100%` ⬍

Answer values can be ranged + or _ 0.01

Tolerance ± `0.01`   Type `Relative` ⬍

Answer display `2` ⬍   Format `decimals` ⬍

Param **{dollars}**

Range of Values   Minimum `1.0`   -Maximum `10.0`

Decimal places `1` ⬍

Range of values for different variables can be defined.

Param **{hours}**

Range of Values   Minimum `1.0`   -Maximum `10.0`

Decimal places `1` ⬍

Finally click on Generate button to generate wildcards and Display button to display all wildcards.

Generate `50` ⬍ new set(s) of wild card(s) values

Display `10` ⬍ set(s) of wild card(s) values

Wild card(s) values

Set 50 {dollars}*{hours}	6.7*5.6 = 37.52 Correct answer : 37.52 inside limits of true value Min: 37.1448 --- Max: 37.8952
Set 49 {dollars}*{hours}	8.8*7.4 = 65.12 Correct answer : 65.12 inside limits of true value Min: 64.468799999999 --- Max: 65.771200000001
Set 48 {dollars}*{hours}	4.8*6.2 = 29.76 Correct answer : 29.76 inside limits of true value Min: 29.4624 --- Max: 30.0576
Set 47 {dollars}*{hours}	9.1*4.2 = 38.22 Correct answer : 38.22 inside limits of true value Min: 37.8378 --- Max: 38.6022

The Preview

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Question 1
Not yet answered
Marked out of 1.00

Saman earns Rs 9.8 per hour. He works 1.4 hours. How much money did Saman earn?

Answer: [ ]

Question 1
Correct
Mark 1.00 out of 1.00

Saman earns Rs6.5 per hour. He works 1.6 hours. How much money did Saman earn?

Answer: 10.4 ✔

Question Type 08 : True / False Questions

A student is given only two choices for an answer in this kind of question: True or False. The question content can include an image or html code.

Example

Twenty-two is an even number.

Question Settings

The Preview

Question **1**

Correct

Mark 1.00 out of 1.00

Twenty-two is an even number.

Select one:
- ⦿ True ✔
- ○ False

🏠 Home   🎨 Dashboard   📅 Events   💼 My Courses ▾   🔶 This course ▾

Question **1**

Not yet answered

Marked out of 1.00

Twenty-two is an even number.

Select one:
- ○ True
- ○ False

Question Type 09: Essay Type Questions

The essay question type provides the option of answering by uploading one or more files and/or entering text online.

Essay questions are created in the same way as other quiz question types. The difference is that essay questions have to be marked manually, and the student will not get a final grade until the teacher has marked their essay.

Example

With the aid of relevant examples, evaluate the current impact and potential impact of using mobile handheld devices for business operations.

Question Settings

Question name ❶   10

Question text ❶

Enter the question text here

With the aid of relevant examples, evaluate the current impact and potential impact of using mobile handheld devices for business operations.

▼ Response Options

Response format   HTML editor

Based on the question you can decide the no of lines per answer box.

Require text   Require the student to enter text

Input box size   15 lines
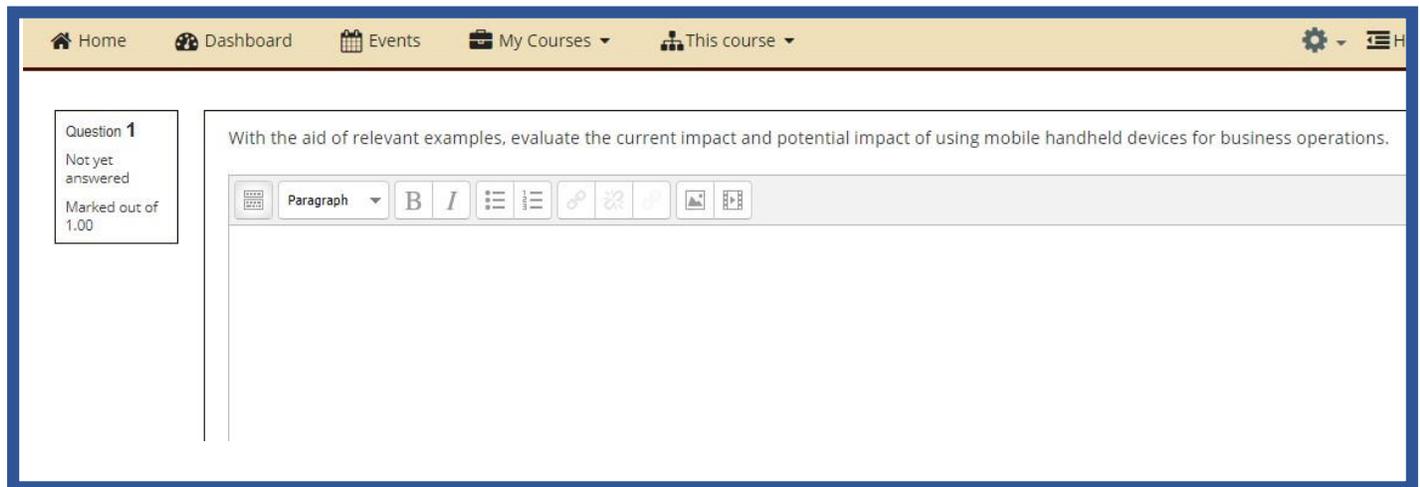
Attachments can be allowed if necessary

Allow attachments   No

Require attachments ❓   Attachments are optional

Accepted file types ❓   Accepted file types   Choose   No selection

The Preview

Reference

https://docs.moodle.org/310/en/Question_types