

TMA 01

Cut-off date 12 November 2014

Solution to Question 1 (essay question) – 25 marks

Remark: For making short comments for tutors.

- | | |
|---|-------------------------|
| (a) hello | 4 |
| (b) goodbye running a long time until it goes over to a second line perhaps | |
| (c) (i) Sub sub | 2 |
| (ii) Sub sub | 2 |
| | 4 Subtotal for part (c) |

Unit A, pages 1–2

5 Total for Question 1

Remarks:

You can place longer remarks inside the longremark environment.

References

You can place references inside the references environment.

Solution to Question 2

- | | |
|--|--|
| (a) First part of the solution, inside the solution environment. | 4 |
| (b) Some mathematics: $\int_0^\infty x$ and | |
| $a^2 = b^2 = c^2$ | 2 |
| <i>Remark:</i> Award no marks for this part of the question. | |
| (c) Marks with marginal comments. | 40 Method. Ignore all attempts at this question. |
| (d) Starred enumerate environment gives you inline enumerate: | |
| (i) first part (ii) second part (iii) third part | 3 |
| (e) The final part. | 3 |
| | 1 Subtotal for part (e) |

Unit B, Theorem 1.1

5 Total for Question 2

Solution to Question 3 – 25 marks

- | | |
|---|---------|
| (a) Marks can also be called using | 4 |
| (b) Formatting in marks: these don't get automatically summed. | 3 1A 2M |
| (c) (i) Sub sub | 2 |
| (ii) Sub sub question that runs a long time until it goes over to a second line | 2 |

Emulate the OUPTeX intertext command using the (built-in) enumitem command.

Solution to Question 4 – 10 marks

- | | |
|---|-------------------|
| (a) Subtotals can be calculated automatically using <code>\subtotal*</code> or <code>\subtotal*[comment]</code> | 2 |
| (b) Totals can be calculated automatically using <code>\total*</code> or <code>\total*[comment]</code> | 3 |
| | 5 Subtotal |

5 Total**Solution to Question 5** – 3 marks

- | | |
|---|-------------------|
| (a) The lines after a <code>subtotal</code> command can be customized using the <code>\setSubtotalHline[<options>]</code> command, the <code><options></code> are <code>moveleft</code> , <code>width</code> , <code>height</code> , <code>color</code> , and <code>draw line</code> . These options can be used in any combination (and should probably be set once in the preamble); for example, | |
| • default behaviour | 0 Subtotal |

• <code>\setSubtotalHline[moveleft=0pt]</code>	0 Subtotal
--	-------------------

• <code>\setSubtotalHline[moveleft=-2cm,width=.5\textwidth]</code>	0 Subtotal
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• <code>\setSubtotalHline[color=green]</code>	2
	3 Subtotal

• <code>\setSubtotalHline[moveleft=0pt,height=5pt,color=orange]</code>	0 Subtotal
--	-------------------

• turn off: <code>\setSubtotalHline[draw line=false]</code>	1
	1 Subtotal

- | | |
|---|--|
| (b) The lines after a <code>total</code> command can be customised using the <code>\setTotalHline[<options>]</code> command, and have exactly the same options as its <code>\setSubtotalHline</code> counterpart. | |
|---|--|

For example,

• default behaviour	1 Total
---------------------	----------------

• <code>\setTotalHline[moveleft=10pt]</code>	3 Total
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• <code>\setTotalHline[moveleft=2cm,width=.75\textwidth]</code>	3 Total
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• <code>\setTotalHline[color=purple]</code>	3 Total
---	----------------

• <code>\setTotalHline[moveleft=0pt,height=.5pt,color=yellow]</code>	3 Total
--	----------------

• turn off: <code>\setTotalHline[draw line=false]</code>	3 Total
--	----------------

- | | |
|---|--|
| (c) Horizontal rules can be drawn manually without using the <code>\total</code> (and friends) command(s) using the <code>\ourule[<options>]</code> command, where the <code><options></code> are exactly the same options as those for <code>\setSubtotalHline</code> . For example: | |
|---|--|

•\ourule

•\ourule[color=orange]

•\ourule[color=black!50!red,height=3pt,width=.5\textwidth]

•You can specify the style of the \ourule command globally using, for example,

\setOOurule[color=red,moveleft=-2cm,width=.75\textwidth]

Now, when using simply \ourule, the output is:

And then you can overwrite certain aspects as you see fit, for example
\ourule[color=blue]

Solution to Question 6 – 4 marks

- (a) The \tutoronly command *only* produces output in the tutor version of the tutor notes, and is ignored when the **specsolns** option is used. For example [students will not see this!](#).
- (b) The **tutor** environment is only visible in tutor notes, and is ignored when the **specsolns** option is used. For example

For tutors only:

This environment will only be seen in the tutor notes.

It will not be seen in the student version.

- (c) The `\studentonly` command *only* produces output in the special solutions version of tutor notes (so `specsolns` must be active); for example
- (d) The `student` environment is only visible in student solutions, when the `specsolns` option is used. For example
- (e) The `\tutororstudent` takes two parameters, the first will only be seen in the tutor version (when `specsolns` is not active), the second will only be seen by students in the student version (when `specsolns` is active). For example: for tutors!

CMA 41

Solution to Question 1 (inline multi-choice) – 25 marks

Remark: Inline options work in the Tutornote class file in exactly the same way as in the assignment booklet.

Options

A yes	B no	C maybe	D well...	E never!
F yes	G yes	H yes		

Solution to Question 2 (inline multi-choice) – 25 marks

Choose an inline option from four columns.

Options

A yes	B no	C maybe	D well...
E never!	F yes	G yes	H yes

Solution to Question 3 – C marks

Choose an inline option at 1.5 spacing.

Options

A yes	B no	C maybe
D well...	E never!	F yes
G yes	H yes	

Solution to Question 4 (stupid question) – 25 marks

Choose an option.

Options

- A** There are no options
- B** There is one option
- C** This option is the wrong choice

QUIZB 01

Cut-off date 1 April 2015

Solution to Question 1 (changing subquestion labels) – 8 marks

- (i) enumitem lets you change the labelling of subquestions 4
- (ii) goodbye running a long time until it goes over to a second line perhaps

Solution to Question 2 (changing subquestion labels 2) – 8 marks

- (A) enumitem lets you change the labelling of subquestions 4
- (B) goodbye running a long time until it goes over to a second line perhaps

Solution to Question 3 (Starred version showing no marks)

This question has no marks associated with it on its first line. 4

Solution to Question 4Another starred question, this time with no optional argument.
