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Faculty of Science, Technology, Engineering and Mathematics MXXX Title of Module

Tutor Notes

# Title of TN 2015B

CONFIDENTIAL

TMA 01 Cut-off date 12 November 2014

it goes over to a second line perhaps  2 2 4 Subtotal for part (c)  Unit A, pages 1-2  5 Total for Question  e longremark environment.  rences environment.  4  2  part of the question.  40 Method. Ignore all attempts at this question  wes you inline enumerate:  part (iii) third part  3  1 Subtotal for part (e)	Sol	ution to Question 1 (essay question) – 25 marks			
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part of the question.  40 Method. Ignore all attempts at this question at the part at the part at this question at the part at this question at the part at the	(b)	Some mathematics: $\int_0^\infty x$ and			
part of the question.  40 Method. Ignore all attempts at this question at the part at the part at this question at the part at this question at the part at the	` /	$a^2 = b^2 = c^2$		2	
ves you inline enumerate:  part (iii) third part  3  1 Subtotal for part (e)					
ves you inline enumerate:  part (iii) third part  3  1 Subtotal for part (e)	( )	Remark: Award no marks for this part of the questio	n.	40	
part (iii) third part 3 3 1 Subtotal for part (e)	(c)	Marks with marginal comments.		40	Method. Ignore all attempts at this question
3 1 Subtotal for part (e)	(d)				
1 Subtotal for part (e)	( )		) third part		
Unit B, Theorem 1.1 5 Total for Question 2	(e)	The final part.			Subtotal for part (e)
			Unit B, Theorem 1.1	5	Total for Question 2
_	(d) (e)	Starred enumerate environment gives you inline enum  (i) first part  (ii) second part  (iii)  The final part.	) third p		3 1
	(a)	ution to Question 3 – 25 marks  Marks can also be called using		4	
4	(b)	Formatting in marks: these don't get automatically s	ummed.		1A 2M
	(c)	(i) Sub sub	ummou.		1/ \ ZIVI
get automatically summed. 3 1A 2M	(0)	(ii) Sub sub question that runs a long time until it g	goes over to a second line	2	
get automatically summed. 3 1A 2M 2	Fm	ulate the OUTeX intertext command using the (built-i		·	

(d	) Numbering continues	3	Total
C			
50	plution to Question 4 – 10 marks		
(a	Subtotals can be calculated automatically using \subtotal* or \subtotal*[comment]	2	
(b	) Totals can be calculated automatically using \total* or \total*[comment]	3 <b>5</b>	Subtotal
(c	) Marks that you don't want added to the subtotal/total counter can be inserted using $\mbox{\sc mk*}$	2 <b>0</b>	Subtotal
		5	Total
So	plution to Question 5 – 3 marks		
(a	The lines after a subtotal command can be customized using the \setSubtotalHline[ <options>] command, the <options> are moveleft, width, height, color, and draw line. These options can be used in any combination (and should probably be set once in the preamble); for example,</options></options>		
	• default behaviour	0	Subtotal
	• \setSubtotalHline[moveleft=0pt]	0	Subtotal
_	• \setSubtotalHline[moveleft=-2cm,width=.5\textwidth]	0	Subtotal
	• \setSubtotalHline[color=green]	2 <b>3</b>	Subtotal
	• \setSubtotalHline[moveleft=0pt,height=5pt,color=orange]	0	Subtotal
	• turn off: \setSubtotalHline[draw line=false]	1	
(b	The lines after a total command can be customised using the \setTotalHline[ <options>] command, and have exactly the same options as its \setSubtotalHline counterpart.</options>	1	Subtotal
	For example,		
	• default behaviour	1	Total
	• \setTotalHline[moveleft=10pt]	3	Total
	• \setTotalHline[moveleft=2cm,width=.75\textwidth]	3	Total
	• \setTotalHline[color=purple]	3	Total
	• \setTotalHline[moveleft=0pt,height=.5pt,color=yellow]	3	Total
	• turn off: \setTotalHline[draw line=false]		

3 Total

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

\setOUrule[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

well...  $\mathbf{E}$  $\mathbf{A}$ yes  $\mathbf{B}$ no  $\mathbf{C}$ maybe  $\mathbf{D}$ never!  $\mathbf{F}$  $\mathbf{G}$ Η yes yes yes

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

Choose an inline option from four columns.

Options

 $\mathbf{A}$  $\mathbf{B}$  $\mathbf{C}$ maybe D well... yes no  $\mathbf{E}$  $\mathbf{F}$  $\mathbf{G}$  $\mathbf{H}$ never! yes yes yes

# Solution to Question 3

Choose an inline option at 1.5 spacing.

Options

 $\mathbf{B}$  $\mathbf{C}$  $\mathbf{A}$ yes no maybe  $\mathbf{D}$  $\mathbf{E}$  $\mathbf{F}$ well... never! yes  $\mathbf{G}$  $\mathbf{H}$ yes 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

# 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 4 Another starred question, this time with no optional argument.