Exam Code: UA105

UMIST

Calculators: ***Only single line display calculators are allowed***

TWO HOURS

UNIVERSITY OF MANCHESTER INSTITUTE
OF SCIENCE AND TECHNOLOGY

HOW TO USE THE EXAM CLASS

SESSION 2000/2001
FIRST SEMESTER

For candidates taking:
LaTeX usage
Secretarial skills

DATE: 27th January 2001
TIME: 2:00-4:00

Answer ONE QUESTION from EACH of Sections A and B

SECTION A

1 This is an example of how to use the LaTeX exam template for the UMIST maths department. You need the file `umaexam.cls` (the class file).

If you want to make your own cover page, you also need `bwcrest.eps`, a UMIST crest. `example.tex` is this file, and `template.tex` is a file for use as a starting point when writing your paper. All of these are available from

`http://www.ma.umist.ac.uk/rb/tech/exam/`

Question 2 of this paper deals with the basics of using this exam class. Questions 3 and 4 in section B deal with setting up the cover page and with unusual cases, respectively.

Comments, corrections and feature requests to

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2 Use the `\section` command to create multiple-section papers (A, B, and so on); it needs no argument. You don't need to use it if you only have one section.

Use the `\question` command to start a new question. Use of `\item` instead will give you a warning message. The `\question` command starts a new page (except for where it follows a `\section` command, and where it is the first question of the paper).

(a) The first level of `enumerate` environments gives you alphabetical labels for subquestions.

(b) The second level gives you

  (i) roman-numeral labels.

There are two preamble commands (ones that precede

```
\begin{document}
```

to be set:

```
\papernumber{UA107}
\numberofpages{7}
```

The argument to the first of these should be the paper code, assigned centrally, and the second should be the number of the last page produced. These appear in the footer of every page, and will give warning messages if not set.

SECTION B

3 The following commands set up the cover page, and should be used in the preamble (like `\title{}` and `\author{}` with the usual `\maketitle` command).

```
\papertitle{HOW TO USE THE EXAM CLASS}
\semesternumber{FIRST}
\session{2000/2001}
\dateofpaper{27th January 2001}
\timeofpaper{2:00-4:00}
\timelimit{TWO HOURS}
\whotakes{\LaTeX\ usage\\
          Secretarial skills}
\instructions{Answer THREE QUESTIONS}
```

Their usage should be obvious from context. To produce the title page, use the `\maketitle` command. Any of the above options which are not set will then produce boxed warnings on the page generated.

4 This is the “other things you might want to do” question.

If you feel you must have two questions on the same page, then start the first with `\question[false]` rather than just `\question`. This suppresses the post-question page break.

If you are writing only part of a paper, with someone else who’s not using this class file writing the other part, the following preamble commands could well be useful:

```
\firstpage{3}
\firstsection{2}
\firstquestion{4}
```

This paper would then start on page 3 (rather than 2), section B, and question 4. You can also use the `\donotendpaper` command to suppress the “end of paper” message. Remember that you should set `\numberofpages` to an appropriate value.

END OF PAPER