

**GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)**  
**KUMBAKONAM**  
**M.Sc., DEGREE EXAMINATIONS – FEBRUARY – 2022 (NOVEMBER – 2021)**  
**DOCUMENT PREPARATION SYSTEM - LATEX**

**Time : 2 Hrs.**

**Maximum : 75 Mark**

**Answer ALL the Questions**

**(5×15=75)**

1. a) How do you download and install the Latex in a windows operating system?

**(OR)**

- b) Explain the method of sectioning and subsectioning of a text passage with labelling.

2. a) Discuss about the user friendly aspects of typical mathematical equations with suitable examples.

**(OR)**

- b) Write down the Latex code for the following matrix equation.

$$\begin{pmatrix} a & b & c \\ d & e & f \\ g & h & i \end{pmatrix} \begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} p \\ q \\ r \end{pmatrix} \quad \text{--- (1)}$$

3. a) Describe the salient features of Latex for handling the images for a better presentation.

**(OR)**

- b) Elaborate the method of citing the references in a text with suitable example.

4. a) Mention in detail the way of handling special pages and special documents in Latex.

**(OR)**

- b) With necessary examples discuss about the usage of various fonts in Latex.

5. a) Describe the automatic plot generation in detail.

**(OR)**

- b) Explain the method of drawing circuit diagram in Latex.

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