

**PSG COLLEGE OF ARTS & SCIENCE**  
(AUTONOMOUS)  
**PG DEGREE EXAMINATION DECEMBER 2025**  
(Third Semester)

**TRANS DISCIPLINARY COURSE**  
(Common to PG Programmes)

**DOCUMENTATION USING LaTeX**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer ALL questions  
ALL questions carry EQUAL marks (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	LaTeX is built on top of which typesetting system? a) TeX                                      b) Microsoft Word c) HTML                                      d) PDF	K1	CO1
	2	Which file format is commonly generated after compiling a LaTeX document? a) DOCX                                      b) ODT c) HTML                                      d) PDF	K2	CO1
2	3	To force a page break in LaTeX, which command should be used? a) \clearpage                                      b) \pagebreak c) \newpage                                      d) \stopbreak	K1	CO2
	4	Which package allows you to customize list symbols and formatting in LaTeX? a) enumitem                                      b) fancyhdr c) geometry                                      d) graphicx	K2	CO2
3	5	Which environment is commonly used to create simple tables in LaTeX? a) tabular                                      b) table c) figure                                      d) itemize	K1	CO3
	6	What command can be used to center an image in LaTeX? a) \centerimage{}                                      b) \centering c) \alignimage{}                                      d) \centerline{}	K2	CO3
4	7	What does the \tableofcontents command do? a) Lists all figures                                      b) Creates a table of contents c) Lists all sections                                      d) Includes all citations	K1	CO4
	8	Which package provides advanced bibliography management in LaTeX? a) bibtex                                      b) natbib c) biblatex                                      d) hyperref	K2	CO4
5	9	What is the purpose of the \textit{} command in LaTeX? a) To italicize text                                      b) To underline text c) To change text color                                      d) To format text as small caps	K1	CO5
	10	Which LaTeX package is commonly used to access more fonts beyond the standard ones? a) hyperref                                      b) geometry c) graphicx                                      d) fontspec	K2	CO5

Cont...

**SECTION - B (35 Marks)**Answer **ALL** questions**ALL** questions carry **EQUAL** Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Describe the use of environments in LaTeX.	K3	CO1
		(OR)		
	11.b.	What is a macro in LaTeX, and how is it useful?		
2	12.a.	How do you control page breaks in LaTeX?	K2	CO2
		(OR)		
	12.b.	What are the differences between the itemize and enumerate environments in LaTeX?		
3	13.a.	What are floating environments in LaTeX?	K4	CO3
		(OR)		
	13.b.	Explain how to add captions and labels to images in LaTeX.		
4	14.a.	What is the role of the \bibliography{} command in LaTeX?	K3	CO4
		(OR)		
	14.b.	Explain the difference between \cite{} and \ref{} in LaTeX.		
5	15.a.	How do you use the \textbf{} and \textit{} commands in LaTeX to format text?	K4	CO5
		(OR)		
	15.b.	What is the purpose of the \renewcommand{} \rmdefault command in LaTeX?		

**SECTION - C (30 Marks)**Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Explain the process of creating and using macros in LaTeX with examples.	K4	CO1
2	17	Discuss the creation and customization of lists in LaTeX. Include both itemize and enumerate environments with examples.	K3	CO2
3	18	How are images positioned and resized in LaTeX documents?	K4	CO3
4	19	Discuss how cross-referencing works in LaTeX and its significance in large documents.	K3	CO4
5	20	Explain how to use the fontspec package in LaTeX to select and customize fonts.	K4	CO5

Z-Z-Z

END