

# **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

$$(10 \times 1 = 10)$$

**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