

## Chapter -12

### Publishing Document using LaTeX

1. In which distribution software do we need to use LaTeX?  
a) Open Office      b) **TexLive**      c) Gedit      d) Scite
2. Which of the following is a very popular LaTeX distribution available in the standard Ubuntu repositories?  
a) Open Office      b) **TexLive**      c) Gedit      d) Scite
3. Which documents are typically created using any plain text editor?  
a) **LaTeX**      b) SciTE      c) Gedit      d) Openoffice
4. Commands and their uses.

Command	Uses
\title	To define document's title.
\author	To specify the author of the document.
\date	To indicate the date when document was created.
\chapter	To specify the chapter which is used in document.
\section, \paragraph	To explicitly specify the logical structure of the document.

5. What comes with built – in -way to format document element in a pleasant – looking professional style?  
a) R software      b) **LaTeX**      c) Scite      d) Gedit
6. What is the file extension of Tex and LaTeX s/w?  
a) **.tex**      b) .txt      c) .text      d) ,ltx
7. LaTeX has a command called “pdflatex” that produces which popular file format name it?  
a) **PDF**      b) JPG      c) GIF      d) text
8. Which files are very popular for sharing printable document on the web?  
a) GIF      b) **PDF**      c) DOC      d) XML
9. Which command is used to generate PDF file?  
a) **evince pdffilename**      b) evince filename  
c) evince txtfilename      d) pdffilename
10. One can compile and view the document from within the .....program itself.  
a) **Scite**      b) Gedit      c) pdffilename      d) txt filename

11. LaTeX is essentially a ..... language.  
 a) **markup**            b) makeup            c) scripting            d) programming
12. Which type of command does not mark any specific part of the text?  
 a) **Independent command**            b) Flat commands  
 c) Depending            d) user define
14. LaTeX commands starts with which symbol?  
 a) **\(Backslash)**            b) / (slash)            c) #            d) %
15. What do we call the additional information which is accepted by some commands?  
 a) **Arguments**            b) Comments            c) Objects            d) Attributes
18. How many types of arguments in LaTeX?  
 a) Optional            b) Mandatory            c) default            d) **both a and b**
19. Optional arguments are written after the command name and enclosed with which brackets?  
 a) {}            b) []            c) ()            d) < >
20. Optional arguments are separated by which sign?  
 a) **, (comma)**            b) ; semicolon            c) : (colon)            d) . (dot)
21. Mandatory arguments written in its own set of..... braces.  
 a) {} **(curly)**            b) [] (square)            c) < > (angular)            d) () (round)
22. In "\documentclass[12pt] {article};" command 12pt is which type of argument?  
 a) **Optional**            b) Mandatory            c) predefine            d) user define
23. In "\documentclass[12pt] {article};" command "article" is which type of argument?  
 a) Optional            b) **Mandatory**            c) predefine            d) user define
24. To insert a break in lines which symbol is used at the end of each line?  
 a) **\**            b) #/            c) //            d) /\*
27. The line break command (\) is never used at the .....in the paragraph.  
 a) **last line**            b) first line            c) shift            d) tab
28. Which characters cannot be used directly in our text in LaTeX?  
 a) **Reserved characters**            b) special characters  
 c) predefine            d) user define
29. Give the list of reserved characters in LaTeX.  
**# \$ % & {} ^ ~ \ underscore**
30. A group is enclosed between.....braces in LaTeX.  
 a) {} **(curly)**            b) [] (square)            c) < > (angular)            d) () (round)

31. Which is useful for applying few commands to a small amount of text?  
 a) **Group**                      b) Environment                      c) Platform                      d) Processor
32. Which LaTeX facility is used where some command(s) have to be applied to a large portion of the text?  
 a) Group                      b) **Environment**                      c) Platform                      d) Processor
33. In LaTeX, environment begins with ..... command.  
 a) **\begin {environment-name}**                      b) /begin                      c) //begin                      d) \start
34. In LaTeX, environment ends with ..... command.  
 a) **\end{ environment-name}**                      b) /end                      c) //end                      d) \last
35. All the formatting characteristics of the environment are applied to the entire text inside the .....  
 a) **Environment**                      b) Group                      c) platform                      d) processor
36. What do we call the explanation which is given to make complicated parts made easy for other to understand the code easily?  
 a) Argument                      b) **Comment**                      c) Keyword                      d) environment
37. What is completely ignored by the compilation process, and never make it into the output?  
 a) **Comment**                      b) Command                      c) Argument                      d) values
39. A LaTeX document has ..... parts.  
 a) preamble                      b) content                      c) platform                      d) **Both a and b**
40. What do we call the information about the document (data about data)?  
 a) Main Data                      b) **Metadata**                      c) docdata                      d) big data
41. The first element in the preamble must be written in ..... command.  
 a) **\documentclass{ document - class - name}**  
 b) /documentclass{ document - class - name}  
 c) documentclass(document class name)  
 d) class {document – class – name}
42. Name the platform where various users share there notes related to LaTeX?  
 a) **CTAN**                      b) GSWAN                      c) CBT                      d) ATN
43. The actual content is always inside the environment document, written between .....  
 a) \begin{document}  
 b) \end{document}  
 c) \documentclass( )  
 d) **both a and b**
44. What is the full form of CTAN?  
 a) **Comprehensive TeX Archive Network**                      b) common TeX Archive Network

c) Comprehensive TeX Arc Network                      d) Comprehensive Text Archive Net

45. In LaTeX, multiple package names can be declared in a .....command.

a) \package                      b) **\usepackage**                      c) /usepackage                      d) \classpackage

46. A title is automatically generated by LaTeX after which command?

a) \title                      b) **\maketitle**                      c) \caption                      d) //title

47. Which commands must precede the \maketitle command?

a) \title                      b) \author                      c) \date                      d) **All of above**

47. Book is divided into **3** main parts in Latex.

a) front matter                      b) main matter                      c) back matter                      d) **All of above**

48. Which type of structure does the main contents of a book have?

a) Linear                      b) **Hierarchical**                      c) Network                      d) Multiple

49. The parts, chapters, sections are numbered \_\_\_\_\_ by LaTeX.

a) **Automatically**                      b) Sequentially                      c) Only once                      d) selected

50. Match the followings.

A		B	
1	article	a	For writing entire books.
2	book	b	For writing letter.
3	slides	c	For generating presentations to office suites.
4	letter	d	For writing individual articles.
5	beamer	e	For creating presentation slides.

a) (1-b, 2-a, 3-e, 4-c, 5-d)

b) **(1-d, 2-a, 3-e, 4-b, 5-c)**

51. Match the followings.

A		B	
1	amsmath	a	Adds support for multilevel list.
2	easylist	b	For page layout tasks.
3	geometry	c	It adds support for colored text.
4	setspace	d	It contains the advance math extensions for LaTeX.
5	color	e	For changing line spacing.

Ans. (a) **(1-d, 2-a, 3-b, 4-e, 5-c)**

(b) (1-e, 2-a, 3-d, 4-b, 5-c)

52. Write down the right sequence of book structure.

Ans. **\part, \chapter, \section, \subsection, \subsubsection, \paragraph, \subparagraph.**

53. LaTeX processes the source file \_\_\_\_\_ from beginning to end in a single pass.  
 a) Automatically      b) **Sequentially**      c) selected      d) Only once
54. LaTeX uses which character to denote a non - breaking space?  
 a) ~ (**Tilde**)      b) % (Percentage)      c) #      d) \*
55. Which font has a tiny line or curve at the end of the line?  
 a) **Roman (Serif)**      b) Monospace      c) Sans Serif      d) Annie
56. Which fonts do not have curve line ?  
 a) Roman      b) **Sans Serif**      c) Monospace      d) Annie
57. Which fonts are typically used for computer code listing and have equal width for all letters?  
 a) Roman (Serif)      b) **Monospace**      c) Arial      d) Chandas
58. In LaTeX, the geometry package can be used for .....layout.  
 a) **page**      b) paragraph      c) Table      d) Graphic
59. LaTeX packages amsmath, amssymb and amsfonts were created by which company?  
 a) **American Mathematical Society**      b) Microsoft      c) Apple      d) HCL
60. Between which symbol is the mathematical symbol enclosed?  
 a) **\$.....\$**      b) #.....#      c) %.....%      d) \*.....\*
61. Which is the shortcut key for Tools → Go Menu option?  
 a) **F5**      b) F6      c) F7      d) F8
62. Which menu option is used to compile LaTeX file?  
 a) **Tools → Build**      b) Tools → Go      c) Tools → Compile      d) Edit → Build
63. Which shortcut key is used to compile LaTeX file?  
 a) F5      b) **F7**      c) F8      d) F9
64. Which menu option is used to view the Latex file in the default document viewer?  
 a) Tools → Build      b) **Tools → Go**      c) Tools → Compile      d) Edit → Build
65. Equations are numbered .....and center - aligned.  
 a) **Automatically**      b) Sequentially      c) Unique      d) Same
66. Which was extended to LaTeX?  
 a) SciTE      b) **TeX**      c) R      d) Gedit
67. Which of the following command can be used to create a section that is not automatically numbered?  
 a) \section      b) **\section\***      c) \sec      d) /section

68. Latex divides font families into how many categories?  
 a) **3**                                      b) 4                                      c) 2                                      d) 6
69. Latex divides font families into which of the following categories?  
 a) Roman                                      b) Sans serif                                      c) Monospace                                      d) **All of above**
70. Latex uses which type of default font?  
 a) **Roman**                                      b) Sans serif                                      c) Monospace                                      d) All of above
71. Latex uses font families by using (employing) which of the following commands?  
 a) `\textrm{text}`                                      b) `\textsf{text}`                                      c) `\texttt{text}`                                      d) **All of above**
72. Which of the following command is used to print mathematical symbol '≠' in Latex?  
 a) `\mp`                                      b) `\eqn`                                      c) `\eq`                                      d) **`\neq`**
73. Which of the following command is used to print mathematical symbol '±' in Latex?  
 a) `\eq`                                      b) `\mp`                                      c) **`\pm`**                                      d) `\pv`
74. Which of the following extension is given to latex file?  
 a) .lat                                      b) **.tex**                                      c) .ltx                                      d) .tte
75. In LaTeX, which of these environments displays mathematical content inline with the text?  
 a) displaymath                                      b) math                                      c) **equation**                                      d) text
76. Fractions are created using which of the following command in LaTeX?  
 a) **`\frac`**                                      b) `/frac`                                      c) `\fractions`                                      d) `//frac`
77. Square root of a number x is denoted using Which of the following command in LaTeX?  
 a) **`\sqrt{x}`**                                      b) `/sqrt{x}`                                      c) `\squareroot{x}`                                      d) `//sqrt(x)`
78. Which mathematical operator lifts the text that follows it?  
 a) **Superscript**                                      b) Subscript                                      c) upperscript                                      d) lowerscript
79. Which mathematical operator lowers the text that follows it?  
 a) Superscript                                      b) **Subscript**                                      c) upperscript                                      d) lowerscript
80. In LaTeX, optional arguments are written into which brackets?  
 a) **[ ]**                                      b) { }                                      c) ( )                                      d) < >
81. In LaTeX, Which of the following document class is used for writing individual articles?  
 a) book                                      b) slides                                      c) letter                                      d) **article**
82. In LaTeX, which of the following operation is used for superscript?  
 a) -                                      b) <                                      c) >                                      d) **^**

83. In LaTeX, which of the following operation is used for subscript?  
 a) **\_ (underscore)**      b) <      c) >      d) ^
84. A LaTeX document has how many parts?  
 a) three      b) **two**      c) one      d) four
85. A LaTeX document has which types of parts?  
 a) Preamble      b) content      c) optional      d) **both a and b**
86. LaTeX commands start with which of the following character followed by the command name?  
 a) \$ (dollar)      b) / (slash)      c) **\(backslash)**      d) – (dash)
87. In LaTeX, which of the following command is inserted at the end of line to insert a break in lines?  
 a) %      b) #      c) \      d) \\
88. Which of the following command structure is used to declare preinstalled packages in the preamble of LaTeX document?  
 a) \open {package-name}      b) \insert {package-name}  
 c) \import {package-name}      d) **\usepackage {package-name}**
89. We can compile the LaTeX document by issuing which command at command prompt?  
 a) pdfext filename      b) pdflat filename      c) **pdflatex filename**      d) pdftax filename
90. Which of the following website hosts the LaTeX packages?  
 a) CWAN      b) **CTAN**      c) CLEN      d) CTEN
91. By default elements are assigned number upto which level that is upto subsections in LaTeX?  
 a) **Level 2**      b) Level 4      c) Level 3      d) Level 6
92. Which of the following part of LaTeX document contains the metadata?  
 a) TOC      b) **Preamble**      c) Environment      d) Preface
93. In LaTeX, Which of the following begins with \begin {name} and ends with \end {name}?  
 a) preamble      b) **environment (Content)**      c) Section      d) Group
94. Which document class is used for crating presentation slides and it automatically sets larger font size in LaTeX?  
 a) **slides**      b) beamer      c) article      d) impress
95. In LaTeX, which command is used to emphasis effect to text?  
 a) \emh      b) \eph      c) **\emph**      d) \empha

96. In LaTeX, which command is used to bold effect to text?  
 a) `\textbf`      b) `\bold`      c) `\textb`      d) `\txtb`
97. In LaTeX, which command is used to set paper size and margins?  
 a) `\use page`      b) `\use pageout`      c) `\use paper`      d) **`\use package`**
98. In LaTeX, to print not equal to sign, which mathematical symbol is used?  
 a) `\noteq`      b) **`\neq`**      c) `nteq`      d) `noteqto`
99. In LaTeX, which command is used to italic effect to text?  
 a) **`\textit`**      b) `\italic`      c) `\it`      d) `\textif`
100. From the following LaTeX command which of the part is optional argument?  
`\document [14pt] { article }`  
 a) `article`      b) `document [14pt]`      c) **`14pt`**      d) `document`

### **Textbook Exercise**

1. Modern word processing software operates in which of the following mode?  
 a) WISYWYG      b) **WYSIWYG**      c) WISYWIG      d) WISYWYG
2. Which of the following is not a reserved character in LaTeX?  
 a) @      b) \$      c) %      d) ^
3. Which of the following begins with `\begin{name}` and ends with `\end{name}`.  
 a) Group      b) Section      c) **Environment**      d) preamble
4. Which of the following character is used to mark a comment in LaTeX?  
 a) \$      b) %      c) #      d) &
5. Which of the following part of the LaTeX document contains the metadata?  
 a) **Preamble**      b) Content      c) TOC      d) environment
6. Which of the following web site hosts the LaTeX packages?  
 a) **CTAN**      b) CTEN      c) CLAN      d) CLEN
7. Which of the following will not be automatically numbered?  
 a) `\chapter`      b) **\subsection**      c) `\chapter*`      d) `\part`
8. Which of these environment displays mathematical content inline with the text?  
 a) `displaymath`      b) `math`      c) **equation**      d) `text`



9. Which of the following commands generate the set union symbol?

- a) `\cup`                      b) `\cap`                      c) `\union`                      d) `\setunion`

10. Which of the following operator is used to denote a subscript or an index ?

- a) **Underscore** ( `_` )                      b) `^` (caret)                      c) `( - )` minus                      d) `<` (less than)

11. Which refers to the very first line in the preamble?

- a) `\usepackage`                      b) **`\documentclass`**                      c) `\marktitle`                      d) `\title`

**12. Mathematical symbols in LaTeX.**

<code>&lt;</code>	$<$	<code>&gt;</code>	$>$
<code>=</code>	$=$	<code>\leq</code>	$\leq$
<code>\geq</code>	$\geq$	<code>\neq</code>	$\neq$
<code>\times</code>	$\times$	<code>\div</code>	$\div$
<code>\pm</code>	$\pm$	<code>\mp</code>	$\mp$
<code>\in</code>	$\in$	<code>\notin</code>	$\notin$
<code>\supset</code>	$\supset$	<code>\subset</code>	$\subset$
<code>\supseteq</code>	$\supseteq$	<code>\subseteq</code>	$\subseteq$
<code>\cup</code>	$\cup$	<code>\cap</code>	$\cap$

<code>\cong</code>	$\cong$	<code>\propto</code>	$\propto$
<code>\rightarrow</code>	$\rightarrow$	<code>\parallel</code>	$\parallel$
<code>\leftrightarrow</code>	$\leftrightarrow$	<code>\leftarrow</code>	$\leftarrow$
<code>\angle</code>	$\angle$	<code>\bigodot</code>	$\bigodot$
<code>\triangle</code>	$\triangle$	<code>\overleftrightarrow{AB}</code>	$\overleftrightarrow{AB}$
<code>\stackrel{\frown}{AB}</code>	$\stackrel{\frown}{AB}$	<code>\overrightarrow{AB}</code>	$\overrightarrow{AB}$
<code>\overline{AB}</code>	$\overline{AB}$	<code>\perp</code>	$\perp$
<code>45^\circ</code>	$45^\circ$	<code>\implies</code>	$\implies$
<code>\iff</code>	$\iff$	<code>\therefore</code>	$\therefore$
<code>\because</code>	$\because$	<code>\sin</code>	$\sin$
<code>\cos</code>	$\cos$	<code>\tan</code>	$\tan$
<code>\sec</code>	$\sec$	<code>\csc</code>	$\csc$
<code>\cot</code>	$\cot$	<code>\theta</code>	$\theta$