

19. (a) What does figure \* do in LaTeX?

Or

(b) How to set figure width LaTeX?

20. (a) What are the available bibliography styles?

Or

(b) What is a three source bibliography?

SECTION C — ( $3 \times 10 = 30$ )

Answer any THREE questions.

21. Describe the input structure in latex.

22. How to format page layout in LaTeX?

23. Explain equation alignment using amsmath packages.

24. How To Create A LaTeX Table Of Contents?

25. What is beamer package in LaTeX?

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S.No. 6881

P 22 MAVAC 1 A

(For candidates admitted from 2022–2023 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Mathematics — Value Added Course

INTRODUCTION TO LATEX

Time : Three hours

Maximum : 75 marks

SECTION A — (20 marks)

Answer ALL questions.

I. (A) Choose the correct Answer: ( $5 \times 1 = 5$ )

1. Tex Live is a very popular Latex distribution software which is available in the standard \_\_\_\_\_ repositories.

(a) Tex (b) SciTE

(c) Latex (d) Ubuntu

2. Latex can produce output in different file \_\_\_\_\_

(a) Arrangements (b) Formats

(c) Editors (d) Software's

3. \_\_\_\_\_ are examples of plain text editors.
- (a) Gedit (b) SciTE  
(c) Both (a) and (b) (d) None of these
4. \_\_\_\_\_ command is used to specify the authors of the document.
- (a) \title (b) \author  
(c) \date (d) \document
5. Latex comes with \_\_\_\_\_ ways to format these document elements in a pleasant looking professional style.
- (a) Integrated (b) Built in  
(c) Many (d) Incorporated
- (B) Fill in the blanks: (5 × 1 = 5)
6. While compilation, Latex can also produce some additional \_\_\_\_\_
7. When the output file, if the looks of the document are not satisfactory, it can be further \_\_\_\_\_ with the help of the built-in styles or own styles can be defined.
8. Both Tex and Latex use the file extension \_\_\_\_\_
9. The edit – compile – view cycle has \_\_\_\_\_ steps.
10. The generated pdf file can also be viewed by issuing the command \_\_\_\_\_ pdf file name at the command prompt.

- II. Answer the following questions: (5 × 2 = 10)
11. How to convert LaTeX to DOCX?
12. How to change page style in LaTeX?
13. What is the amsmath package in LaTeX?
14. Which packages are used to print bibliography in latex?
15. What are the Mathematical symbols in latex?

### SECTION B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

16. (a) How to convert doc table to LaTeX?
- Or
- (b) What is inverse search in LaTeX?
17. (a) What are the LaTeX layout options?
- Or
- (b) How to make a page in LaTeX?
18. (a) How to use equation array in LaTeX? Give some example.
- Or
- (b) How to write matrix in LaTeX? Give some example.