

Roll No. :

Total No. of Questions : 16]

[Total No. of Printed Pages : 3

SEM-1005

M.Sc. (Lateral Entry) (Ist Semester) Examination, 2022

COMPUTER SCIENCE

Paper - FS-COMP-MCSLE-CC-104 (B)

(Introduction to Latex)

Time : 3 Hours]

[Maximum Marks : 40

The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries 1 mark.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer any *five* questions by selecting at least *one* question from each Unit (Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions by selecting *one* question from each Unit (Answer limit **500** words). Each question carries **5** marks.

Section-A

1. (i) How do you insert a comment in Latex ?
- (ii) Write the syntax to insert the title of a document in Latex.

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- (iii) What does lemph command do in Latex ?
- (iv) What does \noindent command do in Latex ?
- (v) Which package may be included in order to include an image in a Document ?
- (vi) Which package do you include to include mathematical graphics like line segments in a document ?
- (vii) What is the main difference between the document class 'document' and 'book' ?
- (viii) Write the command to insert horizontal space in Latex.
- (ix) Which package is used to insert some colored text in Latex ?
- (x) Which documentclass is used to create a slideshow presentation in Latex ?

Section-B

Unit-I

- 2. Explain how to produce an equation in Latex with suitable example.
- 3. Describe how to insert itemized lists in Latex with an example.
- 4. Explain how matrices are included in a Latex document with an example.

Unit-II

- 5. Give an example to include an image in Latex. Explain the same.
- 6. Describe how arrows are shown in Latex with suitable example.
- 7. Describe how size of an image (to be displayed in document) can be adjusted in a document.

Unit-III

- 8. Explain how colored text may be inserted in Latex.
- 9. Describe how a new command may be created in Latex.
- 10. How to create sections, subsections and subsubsections in a document article ? Explain with suitable example.

Section-C

Unit-I

11. Explain how references are added in a Latex document, in detail.
12. Write the syntax in Latex for the following table :

Name	Phone	Address
ABC	8989991	XYZ Colony
DEF	9999999	BCD Colony
GHI	888888	Bikaner
KLM	777777	Jaipur

Unit-II

13. Explain how bibliography can be added to a research paper in Latex with an example.
14. Write the syntax for generating index for a document in Latex. Give an example.

Unit-III

15. Write the syntax in Latex for creating your resume. Explain the syntax as well.
16. Create a slides how presentation having two slides, about your city, in Latex (use beamer). Explain the syntax.