

**Sant Gadge Baba Amravati University, Amravati**

**M.Sc.-I (Mathematics) Semester-I (NEP)**

**2023-24**

**Practical: Introduction to LaTeX**

**Group-A**

1. Develop and execute a program for simple sentences.
2. Develop and execute a program for different alignments (Left, Right, Center, Justify).
3. Develop and execute a program for certificate format.
4. Develop and execute a program for application letter.
5. Develop and execute a program to produce bibliography.
6. Develop and execute a program to prepare a report card.
7. Develop and execute a program to generate index.
8. Develop and execute a program to obtain mathematical equations.
9. Develop and execute a program to obtain matrices.
10. Develop and execute a program to obtain addition of matrices.
11. Develop and execute a program to obtain multiplication of matrices.

**Group-B**

1. Develop and execute a program to obtain formulae in mathematics.
2. Develop and execute a program to obtain theorem, lemma or proposition.
3. Develop and execute a program to insert a picture.
4. Develop and execute a program to make a question paper.
5. Develop and execute a program to make a time table.
6. Develop and execute a program to convert one latex file into Power Point Presentation.
7. Develop and execute a program to obtain complex mathematical formulae.
8. Develop and execute a program to obtain mathematical expression using Differentiation, Integration and Trigonometry.
9. Develop and execute a program to obtain graph.
10. Develop and execute a program to create title page.
11. Develop and execute a program to write research paper.

**Distribution of Practical Marks**

**A] Internal Practical Marks:**

i) Internal Assessment	=	30
ii) Practical/Record	=	20
<b>Total</b>	=	<b>50</b>

**B] External Practical Marks:**

i) Program design/ Performed (Any one of each group A & B)	=	30
ii) Viva Voce	=	20
<b>Total</b>	=	<b>50</b>

**Note: In external practical students have to perform one practical from group A and one practical from group B. Each practical carry 15 marks.**