K26FY0570 Pages: 2 Reg No:.....
Name:.....

Fourth Semester FYUGP Degree (Reg) Examination April 2026

KU4VACMAT203 - LATEX

2024 Admission onwards

Time : 1.5 hours Maximum Marks : 35

Section A

Answer any 6 questions. Each carry 2 marks.

1. Write the output of the following code:

```
\documentclass{article}
\begin{document}
\title{Latex Document}
\author{SAM GEORGE}
\date{01 January 2026}
\maketitle
\end{document}
```

2. Write the command to get the word 'LaTeX' in magenta colour?

3. What is the use of multicol package?

4. Write the LaTeX code to create a table with 2 columns and 2 rows (no borders).

5. Write the command to refer to a table labeled `tab:data`.

6. Write the full LaTeX code to get following output:

    1. Zoology
    2. Botany

7. Write the command to get the word 'LaTeX' in blue colour?

8. Write two commands to get font size smaller than normal text size.

Section B

Answer any 4 questions. Each carry 4 marks.

9. Write code to insert an image `graph.png` of width 6cm, centered, with caption "Sales Report" and label `fig:sales`.

10. Write code to produce: $\frac{d}{dx}(x^3) = 3x^2$

قل ربّ زدني علما
SIR SYED COLLEGE
CENTRAL LIBRARY

11. Write a complete Latex code to get a document in two column layout. Align the document in landscape mode and give all the border measuremnts as 2.5 inch. (Write the content as 'document content'.)

12. Write code to produce a 2×2 matrix with brackets: first row 1,2; second row 3,4.

13. Write a complete Latex code to get a title page with title as 'LaTeX' in bold format, author as 'Jessy George' in italics and today's date underlined.

14. Write code to produce: $\sum_{n=1}^{\infty} \frac{1}{n^2} = \frac{\pi^2}{6}$ (display math)

Section C

Answer any 1 questions. Each carry 7 marks.

15. Write a complete LaTeX document to do the following:
    (a) Create a table using `booktabs` package with `\toprule`, `\midrule`, `\bottomrule`
    (b) Table has columns: **Fruit**, **Quantity**, **Price/kg**
    (c) Add two rows: Apple, 10, 120 and Banana, 20, 40

16. (a) What are the advantages of LaTeX over other word processors?
    (b) Write the output of the following code:

```
\documentclass{article}
\begin{document}
\textbf{SAM GEORGE}\\
\textit{This is my first Latex document.}\\
\underline{I am a Mathematics student.}
\end{document}
```

SIR SYED COLLEGE
CENTRAL LIBRARY