

DHANAMANJURI UNIVERSITY

Examination- 2024 (Dec)

Four year course B.Sc./B.A. 3rd Semester

Name of Programme : B.Sc./B.A. Mathematics

Paper Type : SEC(Theory)

Paper Code : SMA-005

Paper Title : Latex and HTML

Full Marks : 40

Pass Marks : 16

Duration:2 Hours

The figures in the margin indicate full marks for the questions:

Answer all the questions.

1. Choose the correct answer and rewrite the following: 1×6=6

a) created TEX as a computer program that is used for typesetting document.

i) Leslie Lamport

ii) Donald E. Knuth

iii) C. Babbage

iv) Alan Turing

b) At the very beginning of the LaTeX document is inserted.

i) `\begin class`

ii) `\latexclass`

iii) `\documentclass`

iv) `\begin{document}`

c) sends the text to the new row.

i) `$`

ii) `\\`

iii) `%`

iv) `&&`

d) HTML tell the browser how to display the content

i) elements

ii) structure

iii) web page

iv) All of the above

e) This tag is used to link from one page to another

i) title tag

ii) anchor tag

iii) paragraph tag

iv) label tag

f) are those commands that affect the whole document.

i) Preambles

ii) Packages

iii) Beamer

iv) Layout

2. Answer any four of the following questions:

4×4=16

- Define LaTeX. What are the three basic components of a LaTeX document?
- Write the command to create a table in LaTeX document with two rows and three columns.
- Explain the three types of text positioning used in LaTeX.
- Create a LaTeX document to plot the function $\cos x$ and $\sin x$ with proper label and caption.
- Write four features of HTML.
- Create an HTML page with the title My Hobbies. Give a heading and write three points using paragraph tag.

3. Answer any three of the following questions:

6×3=18

- Create a LaTeX document for the given output:
 - Latex is an open source software
 - It is case sensitive
 - File extension is .tex*** (should display in boldface and italic)
 - It is a 'WYSIWYM' interface (huge size)
- Explain any six commonly used class in LaTeX .
- Explain the commands used in dividing a document for creating book or report.

d) Create a LaTeX document to give the following output:

Assignment on Latex



An Assignment Submitted
in Partial Fulfillment of the Requirements for Skill Enhancement
Course[LaTeX and HTML]

B.A 3rd Semester

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e) Create an HTML page to display two anchorlink images. The first image should link to home.html and second image should link to aboutus.html. Give title of the page.
