

Unique Paper Code : 32353301_OC
 Name of Paper : Latex and HTML
 Name of Course : B.Sc.(Hons.)Mathematics-CBCS: Skill Enhancement
 Semester III
 Duration: 3 Hours

Maximum Marks: 38

Attempt any four questions

1. (a). Fill in the blanks (1x8=8)
- (i) The command sets up a parametric plot
 - (ii) To plot a function using PSTricks, we need thepackage.
 - (iii) Thecommand draws an ellipse with center (2,2), horizontal radius 1.5 and vertical radius 1.
 - (iv) Thecommand is used to produce $\lim_{n \rightarrow \infty}$
 - (v) Multiline expressions are created in theenvironment.
 - (vi) We usepackage to include image in LaTeX document.
 - (vii) Postfix expression for $t \cos \cos 2t$ is
 - (viii) PSTricks is written by
- (b). Write the LaTeX command to draw $f(x) = \sin x^2$. $1 \frac{1}{2}$
2. Write LaTeX code in beamer to prepare the following presentation $9 \frac{1}{2}$

My Presentation

XYZ

December 5 2021

XYZ	My presentation	December 5 2021
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Differentiable function

Definition: A real valued function is said to be differentiable at if for each there exists such that

whenever

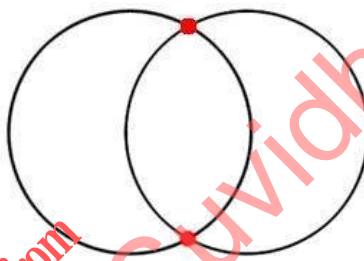
XYZ	My Presentation	December 5 2021
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Thanking you		
XYZ	My presentation	December 5 2021

3. Write code in LaTeX to plot the lemniscate given by the parametric equations 9 ¹/₂

$$x = \frac{\cos \cos 2t}{1 + 2t}, y = \frac{\sin 2t \cos 2t}{1 + 2t}, 0 \leq t \leq 2\pi$$


4. (i). Write code of picture environment to make a picture of circumscribing a triangle. 4 ¹/₂



(ii) Write code to draw a picture of a circles as shown below 5

Q5 Write an HTML code to create following web page using 9 ¹/₂

- (a) Font face of the text should be "Calibri".
- (b) Text colour of the main heading should be blue and of the sub-headings should be blue.
- (c) The image (any image) to be included in the web page should be named as "image.jpg".



About Me

Hi, I have huge passion for
wed-development and programming.
I love to learn and thrive from challenges

My Skills

- PHP

- HTML
- CSS

Q6. Write an HTML code to display the web page as follows:

9 $\frac{1}{2}$

A. heading of the page as University Roll No. and Course of study.

B. a table given below:

S.No.	Fruits	Vegetables
1	Apple	Carrot
2	Banana	Tomato
3	Guava	Potato

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