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VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act 1956)

SCHOOL OF MECHANICAL ENGINEERING

CONTINUOUS ASSESSMENT TEST – I - WINTER SEMESTER 2019-2020

Programme Name & Branch: B.Tech & Mechanical

Course Name Code: MEE2007

Course Name: CAD/CAM

Faculty Name(s): Dr. R. Oyyaravelu

Class Number(s): VL2019205002519   Exam Duration: 90 mins   Maximum Marks: 50

Answer all questions (5X10 = 50)

Sl.No.	Question
1.	Discuss the stages in the product life cycle and the importance of each stage.
2.	What do you understand by raster scanning? Why is it preferred to the storage tube in the display of graphic information?
3.	The vertices of a square are situated at points (0, 0), (8.66, 5), (3.66, 13.66) and (-5, 8.66). Calculate the new position of the square if it is rotated about the origin by an angle of 60 degree in the counter clockwise direction.
4.	Distinguish between wire frame and surface modelling.
5.	Using the DDA algorithm, sketch the pixels for the line drawn from (4,4) to (12,14)