



# SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai

COIMBATORE-641 035, TAMIL NADU



## DEPARTMENT OF MECHANICAL ENGINEERING QUESTION BANK

Faculty Name : **Dr. G. Yuvaraj, AP/Mech** Academic Year : **2024-2025 (Odd)**

Year & Branch : **IV MECH A & B** Semester : **VII**

Course : **19MEE403 - Industrial Digitalization**

### UNIT 1 - INTRODUCTION TO DIGITAL MANUFACTURING

PART B			
1	Explain on the concept of Industry 4.0	CO1	Rem
2	Explain the architecture of digital manufacturing system with a block diagram	CO1	App
3	Discuss on design process and role of CAD	CO1	App
4	Explain the types and applications of design models	CO1	Rem
5	Discuss on suitable interface to convey geometric description from CAD package to RP system	CO1	App
6	Write short notes on: (i) Object Quadra system (ii) Thermal jet printer (iii) Genisys Xs printer HP system	CO1	Rem
7	Write short notes on i) 3D printer ii) XS printer iii) JP systems	CO1	Rem
8	Apply the concept of rapid prototyping & 3D modelling of your own product	CO1	App
9	Apply the concept of thermos jet printer of your own products	CO1	App