

School of Engineering
Department of Mechanical Engineering
Mid Term Examination

Exam Date: 26 Sep 2023
Time : 90 Minutes
Marks : 50

Sem VII - BME075 - Computer Integrated manufacturing

*Your answer should be specific to the question asked
Draw neat labeled diagrams wherever necessary*

- 1) Explain details on lean production K2 (2)
- 2) How do manufacturing systems help in producing goods efficiently? K1 (3)
- 3) Discuss the concepts of CIM K2 (4)
- 4) Contrast the elements of CIM system K2 (6)
- 5) Describe the basic activities that must be carried out in a factory to convert raw material into finished product K3 (6)
- 6) Develop the relationship between CAD and CAM K3 (9)
- 7) Summarize the components of Lean K4 (8)

- 8) Compare and contrast function-oriented structure with product-oriented structure. Provide examples of products that follow each approach. K4 (12)

OR

Define an integrated approach to manufacturing systems planning. How does it differ from traditional planning methods? K4 (12)