

Total No. of Questions : 8]

SEAT No. :

P1710

[Total No. of Pages 2

[4859]-52

B.E. (Mechanical)

d- PRODUCT LIFE CYCLE MANAGEMENT (Open ElectiveII)

(2008 Course)(Semester -II) (Elective-IV)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) Answers to the two sections should be written in separate answer books.*
- 2) Answer three questions from each section.*
- 3) Neat diagrams must be drawn wherever necessary.*
- 4) Figures to the right side indicate full marks.*
- 5) Use of Calculator is allowed.*
- 6) Assume suitable data if necessary.*

SECTION- I

Q1) Explain the concept of Product Life Cycle Management in Detail .
Comment why PLM has emerged? **[18]**

Q2) Discuss various elements of PLM in detail. **[16]**

Q3) Discuss how PLM has emerged from EDM and PDM **[16]**

Q4)a) Explain various external & internal drivers demanding implementation of PLM **[8]**

b) Compare PLM to Engineering Resource Planning. **[8]**

SECTION II

Q5) Explain the concept of Product Life Cycle management system. Explain Different types of systems and system models. **[18]**

Q6) Discuss the link between Product Data and Product Workflow. Discuss various key issues with Product Data **[16]**

P.T.O.

Q7) Explain Various phases of Product Life Cycle and Corresponding Technologies involved. **[16]**

Q8) Discuss Visualization, Collaboration, data vaults and content management. **[16]**

