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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech (ME) (2017 Batch) (Sem.-2, 3)

PRODUCT DESIGN AND DEVELOPMENT

Subject Code : MTME-213

M.Code : 74989

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1. Explain the steps involved in generation new ideas for a product design. Also explain the procedure to select the right product design.
2.
 - a) How will you apply a systematic procedure for product innovation? Explain.
 - b) What do you understand by the structural units for new product development? Explain.
3.
 - a) What are the areas to be studied to prepare for a product design? Explain.
 - b) What important man-machine considerations are required to be accounted in product design? Explain.
4. Explain principles of values and laws of appearance in product design.
5.
 - a) Explain the sources of funds for development of new product design.
 - b) How cost of a product development activity can be reduced? Explain.
6.
 - a) What are different cost procedures? Explain.
 - b) Explain the procedure of estimating the product cost in the product development process.
7. Explain generation, screening and development of new product ideas.
8. Explain the product life cycle. Also explain when and where new product development is recommended in the product life cycle phase.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

