

Code: 17D04109

M.Tech I Semester Regular & Supplementary Examinations January/February 2019

DESIGN FOR MANUFACTURING

(Common to CAD/CAM and PE&ED)

(For students admitted in 2017 & 2018 only)

Time: 3 hours

Max. Marks: 60

Answer all the questions

1 What are the basic principles of designing for economical production?

OR

2 What are the steps involved for the selection of materials?

3 Explain various design rules for machining.

OR

4 Classify various manufacturing process.

5 Explain operation of cupola furnace with necessary sketch.

OR

6 Illustrate hot chamber die casting process.

7 Explain resistance welding process with neat diagram.

OR

8 Explain in detail the plasma arc welding process and write its applications and demerits.

9 Compare between drop forging and press forging.

OR

10 Briefly explain Keeler Goodman forging line diagram.
