



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.
