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## SCHOOL OF MECHANICAL ENGINEERING

### CONTINUOUS ASSESSMENT TEST – I - WINTER SEMESTER 2019-20

**Programme Name & Branch: B.Tech & Mechanical Engineering**

**Course Name Code: MEE2016**

**Course Name: Rapid Manufacturing Technologies**

**Faculty Name: Dr.M.Sugavaneswaran**

**Class Number: VL2019205006784**

**Exam Duration: 90 mins**

**Maximum Marks: 50**

*Answer all the questions*

#### Section – A (1 x 20 = 20 Marks)

1. Discuss the process parameters associated with sheet lamination principle for processing of polymer sheet and metal sheet.

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#### Section – B (2 x 15 = 30 Marks)

2. With a neat sketch, discuss the significance of part built orientation on surface finish and cost of fabrication in the rapid manufacturing process.
3. Differentiate between analytical curves and synthetic curves. With a case study, describe the importance of rapid manufacturing process in the fabrication of part with synthetic curves.