

Roll No. :

MMIP-204

M.E./M.Tech., II Semester

Examination, May 2018

Rapid Prototyping and Rapid Tooling

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.
iii) Draw neat diagram wherever required.

1. a) What are the phases of Product Development Process?
b) Discuss the technologies used in Vertical Reality (VR).
2. a) What do you mean by Rapid Prototyping and explain applications of Rapid Prototyping?
b) Explain classification of RP Methods.
3. a) Explain steps involved in Laminated Object Manufacturing process (LOM).
b) What is the difference between 3D printing, Additive manufacturing and Rapid Prototyping?
4. What is stereo Lithography? Explain stereo lithography rapid prototyping process.

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5. a) What kind of companies benefit most from Lean manufacturing? 7
b) Analyze variable demand with Re-order point. 7
6. Analyze the structured approach in implementing and operating "OUTSOURCING"? 14
7. a) What are the goals of SCM performance measure? Explain attributes of SCM performance. 7
b) Analyze when and why to standardize the variables? 7
http://www.rgpvonline.com
8. Write short notes on (any four): 3.5×4=14
a) Risks and Benefits of ERP
b) Decision support system for SCM
c) ABC analysis
d) Value chains
e) JIT
f) SCM and e-business
