RGPVONLINE.COM   Roll No ....

MMCM - 104

M.E./M.Tech., I Semester

Examination, June 2014

Computer Aided Processes Planning

Time : Three Hours

Maximum Marks : 70

Note : i)   Total no. of questions eight (8).

ii)   Solve any five (5).

ii)   Assume suitable data, if any.

1. With a block diagram explain the general procedure in retrieval computer aided process planning system.   14

2. With an example explain tolerance analysis and tolerance synthesis in machining part design.   14

3. Write short notes :   14

   a)   Advantages of integrated approach over sequential approach of tolerancing

   b)   MIPLAN system.

   c)   AUTO PLAN and PRO.

4. State and explain the reasons for selecting of optimum machining parameters in machining process?   14

5. a)   Discuss criteria of selecting CAPP system?   7

   b)   Compare pull system and push system of manufacturing.   7

6. Explain why group technology is important in achieving the integration of CAD and CAM?   14

7. What are the main steps of CAPP system? Write down the generative approach of CAPP system, also give the advantages of generative approach of CAPP?   14

8. Discuss the scenario of implementation of ERP in Indian manufacturing industries, also explain meant by a virtual enterprise?   14

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