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Roll No

AU/IP/IEM/PR/ME/TX-601 (GS)**B.E. VI Semester**

Examination, December 2017

Grading System (GS)**Operation Management***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. Explain the detail procedure of SWOT analysis.
2. Discuss production strategy in MTO and MTS cases.
3. Explain PLC (Product Life Cycle) on following points:
 - a) Evolution and innovation
 - b) Various stages
 - c) Significance
4. Compare design for Manufacturing (DFM) and Design for Environment (DFE).
5. Explain the concept of "TQM". State factors to be taken in TQM.

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6. Draw and state the significance of Bath-Tub Curve. What are series and parallel components?
7. Compare features and draw basic plant layouts.
8. Answer any four of the following:
 - a) State and explain Porter's five forces model.
 - b) What is meant by standardization? How it is advantageous in designing? State its limitations.
 - c) Discuss chain action of improving quality to productivity to motivation and low cost.
 - d) Discuss the role of computer in design and analysis of plant layout.
 - e) State the use of LP in aggregate plan and HMMS model.
 - f) Define the terms: balance delays, station time and cycle time.

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