

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VIII • EXAMINATION – WINTER • 2014

Subject Code: 182502**Date: 29-11-2014****Subject Name: Recent Advances in Manufacturing****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a)** What are Different ERP modules and their Implementation procedures **07**
(b) Are zero inventories feasible? If yes how? **07**
- Q.2 (a)** Write a note E-Commerce. **07**
(b) State the importance of SCM to a company. **07**
- OR**
- (b)** How MIS is helpful to an Industry? **07**
- Q.3 (a)** State the basic Components and Benefits of 5S in detail. **07**
(b) What is JIDOKA meant for? How to implementing it? What are its benefits? **07**
- OR**
- Q.3 (a)** Compare JIT and conventional manufacturing. **07**
(b) What are obstacles in implementing KAIZEN Philosophy **07**
- Q.4 (a)** How an information flow network is designed? Select an organization and design the information flow network for it. **07**
(b) What is SMED? Where it can be applicable? How does it work? Derive its merits and demerits with reasons. **07**
- OR**
- Q.4 (a)** Explain concept of value analysis **07**
(b) Differentiate value analysis and value engineering **07**
- Q.5 (a)** Explain TPS with suitable illustration. **07**
(b) How to reduce an unnecessary cost in an Industry? **07**
- OR**
- Q.5 (a)** What recent advances are there in Manufacturing Techniques? **07**
(b) Explain advantages and limitations of E-Manufacturing? **07**
