

M.E. DEGREE EXAMINATIONS: NOV/DEC 2010

Third Semester

INDUSTRIAL ENGINEERING

IEE559: Enterprise Resources Planning

Time: Three Hours**Maximum Marks: 100****Answer ALL Questions:-
PART A (10 x 2 = 20 Marks)**

1. What do you mean by scope creep?
2. What do you mean by OLAP?
3. What do you mean by GIS?
4. List the function of quality management module.
5. What are the basic functions of distribution module?
6. What are the objectives of ERP implementation?
7. List some reasons why ERP implementations fail.
8. Name a few hidden costs in ERP implementation.
9. List a few initiatives by enterprises in capturing new markets.
10. What do you mean by SOA factor?

PART B (5 x 16=80 Marks)

11. a) Elaborate on the benefits and risks involved in ERP. (OR)
b) Overview on the evolution of ERP over the years.
12. a) Explain the plant maintenance module of ERP software. (OR)
b) Highlight the role of production planning module ERP in ERP.
13. a) Elaborate on the implementation challenges of ERP. (OR)
b) Explain the business motivations in implementing ERP programs.
14. a) Elaborate on the faster ERP implementation methodologies. (OR)
b) Enhance the future directions and trends in modern ERP.
15. a) Justify with case studies the role of ERP in manufacturing perspective. (OR)
b) SKF bearings was founded in 1907 and is the leading global supplier in its field. Offering products, customer solutions and services for roller bearings, seals and speciality steel, it claims 20% of world's market share. It has 80 manufacturing sites and 40000 employees. With this back ground, SKF china limited was started in hong kong in 1988 with seven offices including those in shanghai, Beijing, Guangzhou, Dalian and chengdu. Targetting the new automotive industries, SKF and Shangai bearing co limited established SKF automotive bearings co limited in shanghai with SKF taking 70% of share holding and Shangai bearing picking up the balance. Having formed the new venture, it experienced some difficulty in being too optimistic regarding auto development in china. The company could foresee growing demand and bright business future amidst heavy international competition. Comment on the possible role of ERP in the growth of SKF automotive bearings on achieving the objective.
