

Production and Operation Management of Textile Industry

Major TXL 782

Discipline: B.Tech.

Time: 2 hours

Date: 10.05.2016

Max. Marks: 45

1. Is there a difference between the terms 'production management' and 'operations management'? If so, what is it?
2. If a company is a 'technology leader', what strategic support would it require from its operations function? Discuss.
3. If Rs. 10,000 invested in a project yields a benefit of Rs 3,000 per annum for 5 years:
 - (a) Compute the payback period
 - (b) Compute the NPV at 10% discount rate
 - (c) Compute the IRR
4. 'Productivity improvement is not a one-shot project'. Do you agree with this statement? Discuss.
5. What may be the key areas to address when improving the cost of quality? Explain.
6. What are the difference, if any, between the zero defects and six sigma approaches to quality? Discuss.
7. What is the role of set-up times in JIT? How should they be reduced? Explain with an example.
8. How should supply chain consideration be incorporated into the design of a TQM programme? Discuss.
9. How are reliability and quality control related? Explain.