

INTERNATIONAL ISLAMIC UNIVERSITY CHITTAGONG

Department Of Business Administration

Program: BBA, Spring -2018

Final Examination

Course Code: SCM-4803 (SCM)

Course Title: Production and Inventory Management

Full Marks – 50

Time – 2 hours & 30 minutes

[Answer any five questions from the following]

1. a) What do you understand demand forecasting ? Write basics rules of forecasting.
b) What do you mean by S & OP? Discuss benefits of Sales and operations planning in business.
c) Shortly discuss on consumer survey methods. 4+4+2

2. a) Explain the terms of production strategy MTS , MTO and ATO with suitable example
b) Classify the production system. Mention three characteristics Batch and Job shop production system
c) What are the ten rules of lean manufacturing system? 3+3+4

3. a) Define aggregate planning & mentions technique for aggregate planning.
b) What is materials requirement planning (MRP)? Discuss the main steps of MRP process.
c) Explain basic principles of production planning. Write differences between supply chain planning and production scheduling. 3+3+4

4. a) Narrates key benefits of master production scheduling.
b) What do you mean by MPS? Mention and explain factors affecting production planning and control.
c) Discuss shortly three types of capacity strategies. 3+4+3

5. a) What do you mean by capacity management in an organization ? Discuss the key decisions of capacity planning.
b) Discuss Steps in the capacity planning process
c) What are the key benefits for doing RCCP? Explain the terms utilization & efficiency with example. 3+4+3

6. a) Define quality & QMS ? Why quality management system (QMS) is necessary across the Supply Chain.
b) What is ISQ and Why . Explain ISO 9000 and ISO 14000 ?
c) What do you understand by HACCP ? Mention seven principles of HACCP for maintaining product quality. 3+4+ 3

7. Write short notes on following : (Any four) 2.5X4
 - i) Bullwhip effect / Forrester's effect
 - ii) The production system characteristics
 - iii) Muda's waste in production
 - iv) Juran's 10 principle on quality management
 - v) Delphi method
 - vi) Six sigma & its importance