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Roll No. ....

**576474(76)**

**676674(76)**

**M.B.A. (Fourth Semester) Examination,  
April-May 2021**

**(New Scheme)**

**(Management Branch)**

**(Specialization : Production and Operations  
Management)**

**PUSH and PULL BASED MANUFACTURING  
SYSTEMS (New)**

***Time Allowed : Three hours***

***Maximum Marks : 80***

***Minimum Pass Marks : 32***

***Note : Answer any two parts from each unit. Each  
question carries equal marks.***

**Unit-I**

1. (a) Apply the manufacturing planning and control (MPC) framework to establish a Bakery Industry.

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- In particular identify the front end, engine, and back end. 8
- (b) What do you mean by production planning and control (PPC)? Explain the benefits of PPC. 8
- (c) Planning and control is an essential ingredient for success of an operation unit. Comments. 8

**Unit-II**

2. (a) Explain the concept of PULL manufacturing system and write its elements. 8
- (b) What is value chain? Explain the cross border (cross region) Value Chains in development. 8
- (c) Write short notes on Supplier Relationship Management. 8

**Unit-III**

3. (a) Explain the Manufacturing Resource Planning II PUSH systems. List the benefits of MRPII. 8
- (b) Comment on the statement material requirements planning is a production planning, scheduling, and

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- inventory control system used to manage manufacturing processes. 8
- (c) Write short notes on Rough Cut Capacity Planning (RCCP). 8

**Unit-IV**

4. (a) What do you mean by Capacity Requirement Planning (CRP)? 8
- (b) Write the objectives of Purchasing? Discuss the Purchasing Cycle. 8
- (c) Write short notes on order Release and Scheduling (OR/OS). 8

**Unit-V**

5. (a) Write a short note on Hybrid JIT/MTPII systems. 8
- (b) What are the various implementation issues of JIT? 8
- (c) Discuss the strengths and Weakness of JIT and MRP II. 8