

國立臺北科技大學九十五學年度研究所博士班招生考試

系所組別：4101 工商管理研究所

生產管理(選考) 試題

填准考證號碼

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注意事項：

1. 本試題共 5 題，配分共 100 分。
2. 請標明大題、子題編號作答，不必抄題，以中文或英文作答皆可，字體需工整。
3. 全部答案均須在答案卷之答案欄內作答，否則不予計分。
4. 可圖文並茂作答。

1. Answer the following questions:

- (a) Please explain "delayed differentiation". (10 pts)
- (b) Explain the impact to "product R&D" and "supply chain management" by implementing delayed differentiation. (10 pts)

2. Please explain how to implement "global logistic strategy" to

- (a) reduce delivering lead time (5 pts)
- (b) reduce unit mfg. cost (5 pts)
- (c) increase serviceability (5 pts)
- (d) speed up the time-to-market of new product (5 pts)

3. Please explain the following items and their merits in Project Management (PM).

- (a) Work breakdown structure (5 pts)
- (b) Crashing (5pts)
- (c) Activity-based Costing (5 pts)

4. Answer the following questions:

- (a) Please give detailed description about ERP system and how it act in Operation Management. (15 pts)
- (b) Please give brief description about the interaction between ERP, shop floor control system, and Manufacturing Execution System (MES). (10 pts)

5. Answer the following questions:

- (a) Please give brief description about Advanced Planning Scheduling (APS). (5 pts)
- (b) Please give brief description about the difference between APS and traditional production scheduling? (5 pts)
- (c) Explain the impact to capacity and inventory by implementing APS. (10 pts)