

BPN2023: INDUSTRIAL ENGINEERING

REVIEW OF CHAPTER 8: DESIGNING PROCESSES

Direction:

With hand writing, answer the following questions. You are required to submit the answer no later than 4 August 2017.

Questions:

1. Define the following terms:
 - a. Process.
 - b. Process Design.
 - c. Process planning.
 - d. Break-even point.
 - e. Point of indifference.
 - f. Process innovation.
2. Illustrate the factors influencing the buy or make decisions.
3. By using the characteristics of each production process, distinguish the four process type.
4. Illustrate components of Break-Even Analysis.
5. Company XYZ begins production of its exciting new technology. The company is evaluating three methods of production: A, B, and C. The costs of each alternative are shown below.

Process	Fixed Cost (RM)	Variable Cost (RM)
A	2000	40
B	6000	20
C	0	60

- a. Determine for what level of demand each production process should be chosen?
- b. Sketch a graph to compare the three alternatives

6. List and explain FIVE (5) tools used for process analysis and design.
7. Describe principles for redesigning processes.