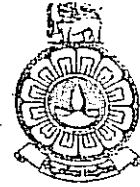


THE OPEN UNIVERSITY OF SRI LANKA
BACHELOR OF MANAGEMENT STUDIES (LEVEL 5)
ASSIGNMENT TEST : SEPTEMBER – 2006
OPERATIONS MANAGEMENT – MCU 2205
DURATION : TWO (02) HOURS



This paper contains Six questions and has TWO PAGES.

Date : 17 September, 2006

Time : 10.00 a.m. – 12.00 noon

PLEASE WRITE YOUR STUDENT REGISTRATION NUMBER ON EVERY ANSWER SCRIPT.

Answer any Four (04) questions. Each question carries 25 marks.

Only the first four answers will be evaluated.

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- (1)
 - (i) Discuss the key components of a “system”.
 - (ii) “Production system is an open system” Do you agree? Explain your answer using suitable examples.

 - (2)
 - (i) Explain the different manufacturing scenarios; ‘make/assemble-to- stock’ and ‘make/assemble-to-order’ with suitable examples.
 - (ii) Describe the job-shop, batch-processing and repetitive manufacturing systems and explain how these systems differ with production volume and degree of flexibility. Use suitable illustrations.

 - (3) The operation strategy of an organization is concerned with setting broad policies and plans to support the competitiveness of organization.
 - (i) Explain in your own words ‘operations strategy’.
 - (ii) Explain how the concepts of cost, quality, speed of delivery and flexibility can help to form core operations strategies for a manufacturing organization.

(4)

- (i) Explain 'production planning' and its importance for a manufacturing organization.
- (ii) How does the production plan for a 'continuous production system' differ with 'job order type of production system'? Explain.

(5)

- (i) Explain acceptance sampling and process control tools used in the production control exercise of manufacturing organizations.
- (ii) Where do the above production control tools applicable in a production model? Explain.

(6) Describe any three (03) of the following in relation to production control and explain how they may help the production process.

- (i) Standardization
- (ii) Deming cycle (PDCA cycle)
- (iii) Control charts
- (iv) Brainstorming
- (v) Benchmarking

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