The Open University of Sri Lanka
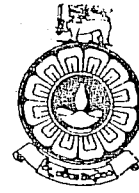
B.Sc. Degree Programme: Level 05

Closed Book Test: 2006

CSU3277: Software Engineering

Duration: One & Half Hours

Date: 30th August 2006

Time: 3.30pm – 5.00pm

The following narrative describes the procedure carried out by the clerical staff in the warehouse of an electrical parts distributor:

"When an order is received from sales department, each item on the order is checked to see if it can be met from current inventory. If sufficient inventory is held, the warehouse clerk adjusts the stock records and passes the item for picking and dispatch. Each time the stock records are changed, the new inventory level is compared to the safe_reorder level, which is marked on the stock_item card. If the new inventory level is below the safe_reorder level, the warehouse clerk writes out a purchase order form, notes the quantity ordered on the stock_item card and passes the purchase order form to the Chief Buyer for approval and dispatch to the supplier".

"If there is some inventory, but not enough to fill the order, (part_fulfillment), the warehouse clerk dispatches the items available, adjusts the stock records and creates a back_order for the required amount. The back_order is filed in part-number order awaiting receipt of shipment. If the item has been previously ordered, the warehouse clerk sends an expedite_delivery notice to the Chief Buyer. If the item is not on order, a purchase order form is prepared".

"If the item is completely out_of_stock, a back_order is created and filed as above and the clerk sends an expedite_delivery notice to the Chief Buyer whether or not the item is already on order".

Draw up a decision table to show the logic of this process.

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