

CANDIDATE  
NAME

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**INFORMATION TECHNOLOGY**

**9626/33**

Paper 3 Advanced Theory

**May/June 2018**

**1 hour 45 minutes**

Candidates answer on the Question Paper.

No Additional Materials are required.

**READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name in the spaces at the top of this page.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams, graphs or rough working.

Do not use staples, paper clips, glue or correction fluid.

DO **NOT** WRITE IN ANY BARCODES.

Answer **all** questions.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [ ] at the end of each question or part question.

Any businesses described in this paper are entirely fictitious.

This document consists of **15** printed pages and **1** blank page.



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..... [8]





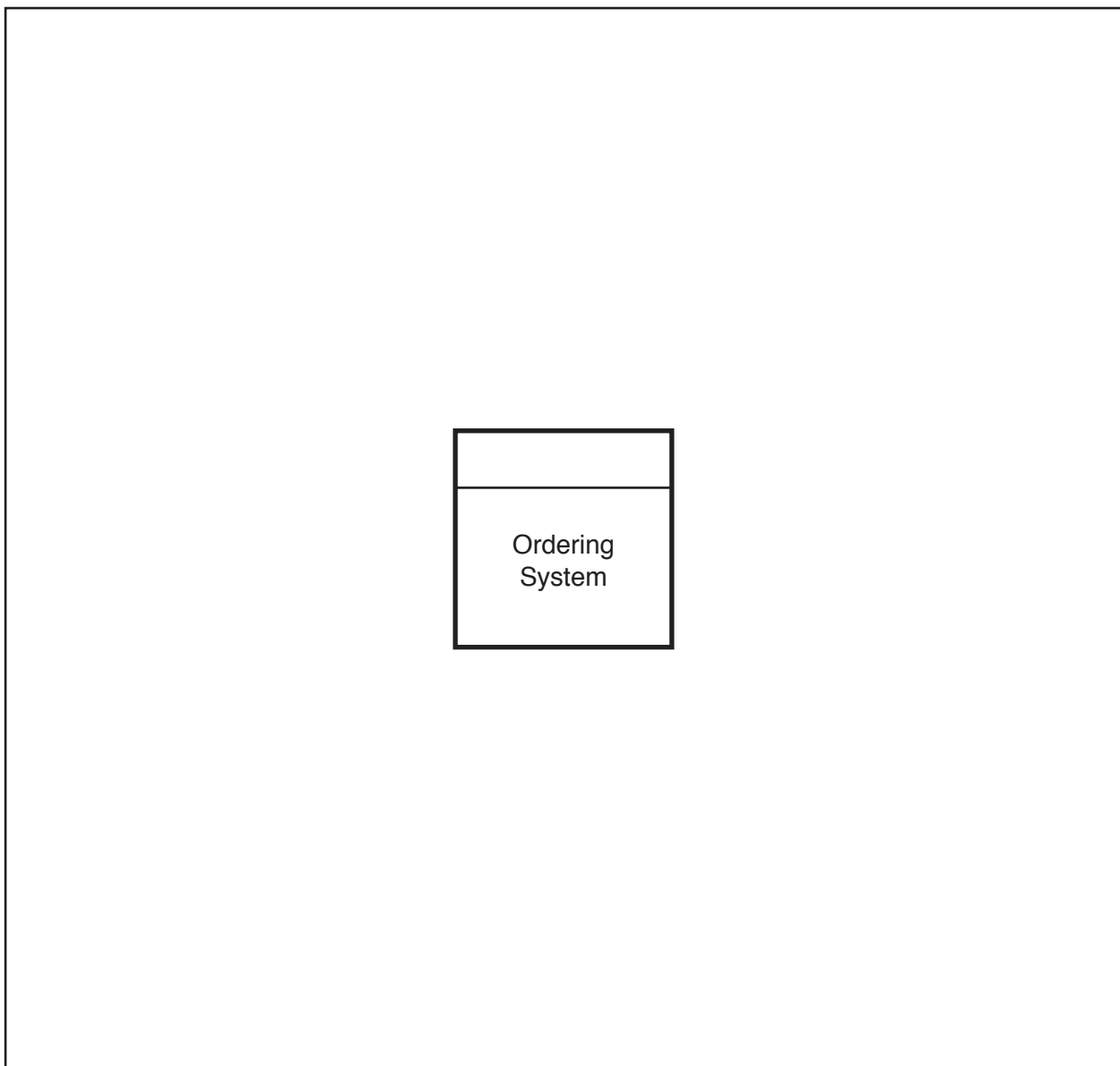




5 RockICT Sales sells hats to customers direct from its warehouse. It has a centralised ordering system that is linked to the warehouse and accounts systems. When a customer orders a hat, the system:

- takes the orders from the customer
- checks the stock status with the warehouse
- sends messages to the customer advising of the status of the order
- sends out a request for payment and processes the payment
- requests the shipping of the hat from the warehouse
- receives a shipping confirmation and a stock inventory update from the warehouse
- sends stock inventory and payment updates to the accounts.

Draw a Level 0 (context level) Data Flow Diagram of the system to show the external entities and the data flow between these and the ordering system. The ordering system has been drawn in the centre of this box for you.



[8]

















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