OCR
Oxford Cambridge and RSA

Friday 27 May 2016 – Morning

AS GCE

APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

G041/01   How Organisations use ICT

Candidates answer on the Question Paper.

OCR supplied materials:
* Instructions for Candidates G041/01/IC (inserted)

Other materials required:
* Candidate's pre-prepared materials for pre-release tasks 1, 2 and 3

Duration: 1 hour 30 minutes

Candidate forename		Candidate surname	

Centre number					Candidate number				

INSTRUCTIONS TO CANDIDATES

* The Insert will be found inside this document.
* Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
* Use black ink. HB pencil may be used for graphs and diagrams only.
* Answer **all** the questions.
* Read each question carefully. Make sure you know what you have to do before starting your answer.
* Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
* Attach your pre-prepared material for tasks 1–3.
* Do **not** write in the bar codes.

INFORMATION FOR CANDIDATES

* The number of marks is given in brackets **[ ]** at the end of each question or part question.
* The total number of marks for this paper is **100**.
* This document consists of **12** pages. Any blank pages are indicated.

For Examiner's Use		Max
Task 2		15
Task 3		15
1		5
2		5
3		10
4		10
5		10
6		10
7		6
8		4
9		6
10		4
Total		100

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Turn over

2

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Answer **all** the questions.

SECTION A

This section relates to the case study on Progress Vinyl Music Stores (PVMS).

1   The Retail Services Director is responsible for two job functions in head office. One of these is purchasing.

Identify the **other** job function in head office that this director is responsible for and describe **four** tasks performed by this job function.

Job function ....

Task 1 ....

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Task 2 ....

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Task 3 ....

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Task 4 ....

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[5]

2   Describe the role of the Purchasing Manager in PVMS.

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.... **[5]**

4

3   Keeping accounts is an important process in PVMS.

   (a) A finance clerk enters sales figures from all the stores into the sales ledger section of the bespoke accounting package.

      (i) Describe how these sales figures are obtained.

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      .... **[2]**

      (ii) Describe the calculation that takes place when these sales figures are entered.

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      .... **[2]**

   (b) Much of the information entered into the accounting package by the finance clerks comes from the stores.

   Identify **one** other source of information that is entered.

   .... **[1]**

   (c) The company must pay VAT to HMRC every three months.

   Describe how the amount due is calculated.

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   .... **[3]**

5

(d) Identify **one** other output from the accounting package that is required by HMRC and state its purpose.

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.... **[2]**

Turn over

4 The sales cashier in a store uses an ICT system to **take and record payments** from customers.

Describe **one** example of each of the following for this system.

(i) hardware

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.... **[2]**

(ii) software

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.... **[2]**

(iii) input data

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.... **[2]**

(iv) processing

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.... **[2]**

(v) outputs

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.... **[2]**

7

5   All of the computers in the PVMS head office and stores have access to the internet.

   (a) Describe **two different** ways that the internet is currently used by the company.

       1 ....

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       2 ....

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                                                                                                              [4]

   (b) The Managing Director has decided not to use e-commerce.

       (i) Describe **one** other internet service that PVMS could use.

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           .... [2]

       (ii) Explain **one** benefit and **one** limitation for the company of using the internet service
             described in **part (b) (i)**.

           Benefit ....

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           Limitation ....

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                                                                                                              [4]

Turn over

6 PVMS store managers want a more streamlined system for recording sales.

(a) Explain **one** weakness of the current system for recording sales in a store.

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.... **[2]**

(b) (i) Explain how the system could be improved to make it more streamlined. You should include details of any equipment needed and how it would be used.

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.... **[6]**

(ii) Explain **one** problem associated with these improvements that may need to be overcome.

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.... **[2]**

9

SECTION B

You do not need the PVMS case study or your notes to answer these questions.

Quality Wallpapers

Quality Wallpapers is a company that designs and manufactures high-quality wallpaper. These designs are registered.

Process control is used to make the wallpaper from a mixture of recycled paper and new materials. A mixture of wood pulp, shredded recycled paper and water is passed through a series of rollers. Sensors measure thickness and water content and feed the values back to a computer system. The values are compared with stored ideal values. If there are differences, signals are sent to adjust the rollers and/or pulp mixture to alter the paper quality.

The finished rolls of paper are then printed with multi coloured designs. The print rollers use four ink colours – cyan, magenta, yellow and black. Expert printers monitor the colour mix on computer screens and make adjustments if necessary.

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7 The expert printers at Quality Wallpapers can spend most of their working day looking at a computer screen.

Describe **three** actions that Quality Wallpapers must take to comply with the Health and Safety (Display Screen Equipment) Regulations (1992) in relation to these employees.

1 ....

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[6]

Turn over

8   Explain how the Copyright, Designs and Patents Act (1988) affects Quality Wallpapers.

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.... **[4]**

9   Discuss the impacts on Quality Wallpapers and its staff of using process control to make the paper, rather than manual control.

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.... **[6]**

10 Quality Wallpapers uses an ICT system to keep records of staff training. The training records are linked to the personnel (HR) records.

    (a) Identify **two** items of information that would **only** be stored in the training records.

        1 ....

        2 ....

                                                       [2]

    (b) Explain **one** way the training records would be used.

        ....

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        ....

        .... **[2]**

END OF QUESTION PAPER

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