



General Certificate of Education
Advanced Level Examination
June 2015

Information and Communication Technology INF03/PM

Unit 3 The Use of ICT in the Digital World

Candidate Booklet

To be opened and issued to candidates on or after 15 March 2015

Information

- The Preliminary Material is to be seen by teachers and candidates **only**, for use during preparation for the examination on Tuesday 23 June 2015. It **cannot** be used by anyone else for any other purpose, other than as stated in the instructions issued, until after the examination date has passed. It must **not** be provided to third parties.

There is no pre-release material printed on this page

Information and Guidance

- 1 On receipt of this booklet, you are advised to check carefully that it is complete and that no pages are missing or illegible. There should be 8 pages. If there are any problems you should consult your teacher.
- 2 The material contained in this booklet is provided for you to use in preparing for Section A of the INFO3 examination.
- 3 Prior to the examination, your teacher may give you assistance and advice to help you understand the content of this material.
- 4 You should use the time between receiving this material and the examination to familiarise yourself with its contents.
- 5 You are allowed to make comments or annotations on this copy of the material but you are **not** allowed to take this copy, or any other materials, into the examination.
- 6 A clean copy of this booklet will be provided in the examination with the INFO3 question paper and therefore there is no benefit from learning the contents by rote.
- 7 The INFO3 examination is on **Tuesday 23 June 2015** (morning session).

***** PRESS RELEASE 1 *****

February 13th, 2006

Un Coup De Main (UCDM) – A NEW HUMANITARIAN AID ORGANISATION



Un Coup De Main ("Lend a Hand") is a new, independent, humanitarian aid organisation founded by Swiss industrialist Armand Levant, following the tragic loss of his English wife, Anne, in the 2004 tsunami.

Its aims are to:

- provide emergency assistance for victims of natural disasters, irrespective of race, politics or creed
- keep a secure database of volunteers who wish to help others
- publicise the plight of those whose lives have been devastated through natural disasters
- raise funds to assist with UCDM's work.

FAQs

1 What type of emergency assistance will UCDM provide?

Victims of disasters often become paralysed by shock and overcome by the sheer scale of the disaster. UCDM will give immediate practical assistance. It will send volunteers - engineers, builders, cooks, labourers and project management staff - to provide shelter, food and general assistance.

2 How can I find out more about UCDM and its work?

Please see our website which includes an extranet facility for volunteers.

3 I want to become a volunteer. How much time will I need to be away from work to help following a disaster?

UCDM provides primary assistance for the two weeks immediately following a disaster. Any volunteer will therefore need to be away from work for a maximum of two weeks, plus travelling time.

4 Where does UCDM work?

UCDM currently has arrangements with 37 countries where local volunteers are registered and where UCDM has stocks of emergency supplies, such as tents, field kitchens, portable water purifiers and lifting equipment.

5 Can I select the countries in which I am prepared to work or to which I donate?

Although UCDM is a non-political organisation, it is accepted that, for language, travel or other reasons, it may not be possible for some volunteers to work in a particular country affected by a disaster; our ICT systems are designed to recognise this. Regarding donations, our ability to provide immediate assistance depends on unrestricted contributions.

6 I cannot provide practical help but am prepared to make regular donations. What proportion of the funds raised goes towards practical help?

Regular donations are welcomed and a Direct Debit mandate can be downloaded from our website. UCDM is committed to spending 90% of all donations on emergency work, leaving just 10% for administration, publicity and fund raising. UCDM's accounts, including invoices for expenditure above £20, will be available on our extranet service. This service will be accessible to those who have registered as sponsors.

7 I am worried that UCDM's staff or hackers may pass on personal details of donors or volunteers, either deliberately or accidentally. What measures are in place to prevent this?

UCDM undertakes not to sell or otherwise provide your personal details to any other organisation. Our ICT systems, policies and procedures will be designed to prevent any unauthorised access or breach of security. Like any UK organisation, UCDM has to comply with the provisions of the Data Protection Act 1998.

8 Where are your offices located?

UCDM's head office is in Ipswich (UK), with international offices in Berne (Switzerland), Santiago (Chile) and Mumbai (India). Our computer systems are based at Ipswich, with secure links to the international offices.

***** PRESS RELEASE 27 *****

July 20th, 2008

Un Coup De Main (UCDM) – MERGER



Today the humanitarian aid organisation, Un Coup De Main, merged with the American aid agency, Helping Hands. The merger will increase the size of UCDM by around 50%. Founder and Chairman of UCDM's Trustees, Armand Levant, stated:

"I am very pleased to announce this merger. Both organisations have similar aims and an enthusiastic volunteer base. The merger will reduce administration costs and raise the profile and international impact of UCDM.

We have already started work on merging the two ICT administration systems. As a temporary first step, we will use a data warehouse to give the appearance of one system. However, UCDM's Trustees feel that a completely new ICT system is needed to provide the all-important rapid reaction necessary to ensure the best response to disasters.

Over the coming months, as part of the system investigation process, our ICT developers will specify the system and consult with the Trustees, administrative staff and volunteers. Because of the complex nature of this work and the need to merge both organisations effectively, a formal project management methodology will be used. We have made plans for the next six months. During the first three months we intend to complete the investigation and analysis stage, including sign-off of requirements. The design stage, including sign-off, will take a further two months. The final month will be used to prepare invitation to tender documents for constructing the solution, testing and installation. Development and testing of the data warehouse facility has already commenced and is planned for completion in four months' time.

The new system will match disaster locations with the location of available volunteers and the emergency equipment stored. Volunteers will be contacted automatically by text message and email requesting confirmation of their availability. Staff at emergency stores will be emailed automatically with a list of equipment and stores needed and the location to which these are to be delivered. In addition, social networking will be used to keep volunteers informed of countries where their assistance might be needed.

I have provided this level of detail as I am making a personal appeal for the funding necessary for this system development.

Thank you for your attention. Let's save lives together."

***** PRESS RELEASE 53 *****

July 22nd, 2013

Un Coup De Main (UCDM) – SECURITY BREACH



Yesterday, UCDM's Trustees were notified of a serious security breach. Details of all UK donors and volunteers, including names, addresses and bank account details, have been obtained and offered for sale on the internet.

The Trustees sincerely apologise to each volunteer and hope this breach of security does not cause any volunteer to leave the organisation. Investigations are ongoing as to how the breach could have occurred but early indications are that the information was unlawfully obtained.

Founder and Chairman of the Trustees, Armand Levant, has had a risk analysis exercise undertaken to review the threats to UCDM's ICT operations. Based on the results of this exercise, revised security procedures are planned to prevent unauthorised internal or external access. The reliability of UCDM's ICT has also been reviewed as the Trustees realise that, should the systems be unavailable at the time of any disaster, there would be delays in notifying volunteers.

The Trustees have also decided to build a secure computer room at their head office in Ipswich. This will house the various servers and printers used to manage the growing numbers of volunteers. It will include UPS (uninterrupted power supply) and standby generators to ensure that the whole site has a constant supply of electrical power.

END OF PRELIMINARY MATERIAL

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