# IGCSE ICT 4385, NOVEMBER 2005 MARK SCHEME

Paper 1F

1. (a) A = CD / DVD **(1)**
B = floppy disk **(1)**
C = flash drive / recognisable description **(1)**
(accept media or device)   **3**

   (b) any not mentioned in (a) e.g. hard drive **(1)**   **1**

                                                      Total 4 marks

2. (a) lines linking:
viruses & anti-virus software **(1)**
hacking attempts & firewall **(1)**
anti-social material & filter software **(1)**   **3**

   (b) e.g. as an email attachment
in a program file   *any three*
in a document / data file
by loading a webpage / part of a webpage   **3**

                                                      Total 6 marks

3. (a) any **two** from:
camera **(1)** to take / send pictures **(1)**
microphone **(1)** to record / pick up / send speech **(1)**
speakers / headphones **(1)** to hear the other person **(1)**   **4**

   (b) advantage: able to see expressions / body language / objects **(1)**

   disadvantage: problems with setting up camera / hardware /
needs technical knowledge **(1)**   **2**

                                                      Total 6 marks

4. (a) open spreadsheet file
select readings / cells / part of spreadsheet   *any two*
create graph / paste into graph maker   **2**

   (b) copy graph
and paste into poster   **2**

   (c) open DTP files
import / open picture file
place / paste picture on poster   max
resize / adjust to fit   (4)
position picture
send picture to back / behind graph / set as background   **4**

                                                      Total 6 marks

5.
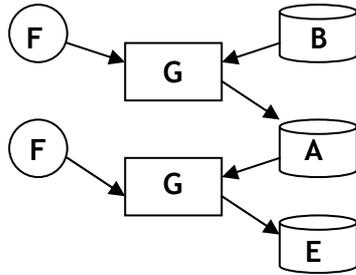
(1) for each correct letter   **7**

                                                 Total 7 marks

6. (a) more flexible / teachers can move around more easily ⎫
easier / faster to set up (**NOT** cheaper)   ⎬ max
easier / faster to extend if necessary (**NOT** cheaper) ⎬ (3)
can work outside building / in playground ⎭   **3**

(b) modem **(1)** convert between computer signals and telecom signals **(1)**
or
router **(1)** allows sharing / links several computers to phone line / handle multiple IP addresses **(1)**   **2**

(c) browser software **(1)** to view webpages **(1)**
or
communications software **(1)** link to ISP / make Internet connection **(1)**   **2**

                                                  Total 7 marks

7. (a) F8 **(1)**   **1**

(b) F2 / F3 / F4 / F5 / F6 / E2 / E3 / E4 / E5 / E6 **(1)**
ALLOW F8 if not in (a)   **1**

(c) A4 – text **(1)**
C5 – currency **(1)**   **2**

(d) D3 **(1)**
E3 **(1)**
F3 **(1)**
F8 **(1)**   **4**

(e) B2 **(1)** * 1.5 **(1)**   **2**

(f) select C2 and copy **(1)**
select C3 to C6 and paste / fill down **(1)**   **2**

                                                  Total 12 marks

8. (a) any **three** from:
spell check **(1)** prevent spelling errors being published **(1);**
hyperlink check **(1)** ensure navigation works correctly **(1);**
verify content **(1)** to ensure correct information **(1);**
try different browsers / colour settings / screen resolutions **(1)**
to see if site displays correctly **(1).**   **6**

(b) any **two** from:
counter **(1)** show how many visits the site has had **(1);**
email address / link **(1)** to get comment from users **(1);**
online form / questionnaire **(1)** to get feedback from users **(1).**   **4**

Total 10 marks

9. (a) vehicle colour: text **(1)** / 3 **(1)** / example shows encoded text **(1)**
next service date: date **(1)** / 6 **(1)** / example shows formatted
date **(1)**
telephone: text **(1)** / 11 **(1)** / 11 characters + spaces in example /
spaces and leading 0 show it is not a number **(1)**   **9**

(b) for each field, award **(1)** for an appropriate validation type
                     award **(1)** for a description fitting that type
DO NOT award marks for field names alone
DO NOT award marks for validation types which do not fit the
chosen field.   **4**

Total 13 marks

10. (a) data items / slips collected over a period **(1)**
then processed at one go **(1)**   **2**

(b) better control over stock / faster turnaround of orders **(1)**   **1**

(c) needs less space for storage / display **(1)**
faster / easier data entry **(1)**
fewer errors / easier validation **(1)**   **3**

(d) verification **(1)**
to prevent wrong items being sent **(1)**   **2**

Total 8 marks

11. (a)

Service	Company advantage	Customer advantage
email / contact form	no need to man phones	24 / 7 access
FAQ / customer support pages	cuts down on support staff requirement	no need for phone calls
sign ups for newsletter / special offers...	gives targeted advertising	receives offers, upgrade info etc.
download of patches, drivers	cheaper than sending out disks	24 / 7 access / no postal cost / get latest software versions
search facility	present active pages / create specialised pages / present tailored info to client	easy to find what you need

any 2 for **(3)** each   **6**

(b) function: join similar sites / companies / groups **(1)**
company: adverts / referrals from other sites **(1)**
customer: links to similar products / companies **(1)**   **3**

Total 9 marks

12. (a) using functions / formulae / calculations **(1)**
to show how something will behave **(1)**   **2**

(b) any **three** from:
less materials / workers / cost to try out improvements **(1)**
faster to set up / change improvements **(1)**
easy to try out / change road lay-outs **(1)**
no traffic disruption whilst trying out improvements **(1)**   **3**

(c) cannot be certain that traffic will behave as predicted / traffic
has random variability **(1)**   **1**

(d) Method: any technical presentation e.g. graphs/spreadsheets **(1)**
Justification: should match method and involve need to present
facts and figures **(1)**   **2**

(e) Method: non-technical presentation e.g. diagrams/multimedia **(1)**
Justification: should match method and involve function rather
than technical detail **(1)**   **2**

Total 10 marks

TOTAL MARKS FOR PAPER: 100