

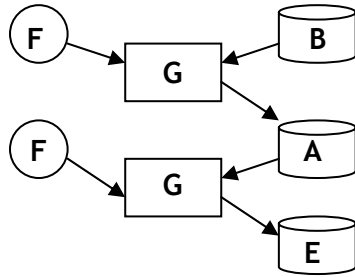
## IGCSE ICT 4385, NOVEMBER 2005 MARK SCHEME

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### 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  
in a document / data file  
by loading a webpage / part of a webpage } any three 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  
create graph / paste into graph maker } any two 2
- (b) copy graph  
and paste into poster 2
- (c) open DTP files  
import / open picture file  
place / paste picture on poster  
resize / adjust to fit  
position picture  
send picture to back / behind graph / set as background } max (4) 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)  
easier / faster to extend if necessary (**NOT** cheaper)  
can work outside building / in playground } max (3) 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**

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**