OCR
RECOGNISING ACHIEVEMENT

GCSE

ICT B

General Certificate of Secondary Education

Unit **2380/01:** ICT B (Foundation Tier)

Mark Scheme for June 2011

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All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the Report on the Examination.

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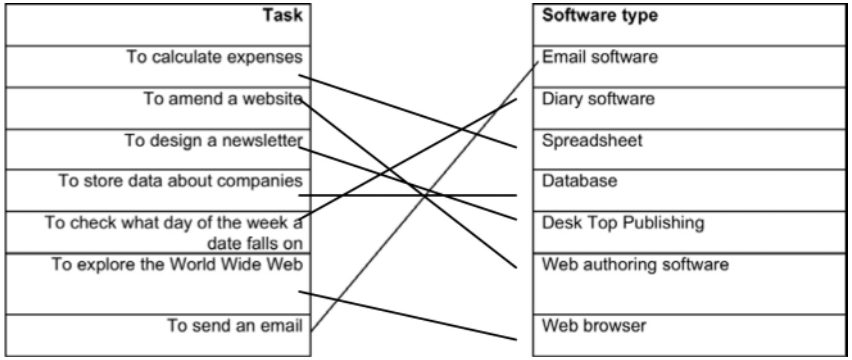
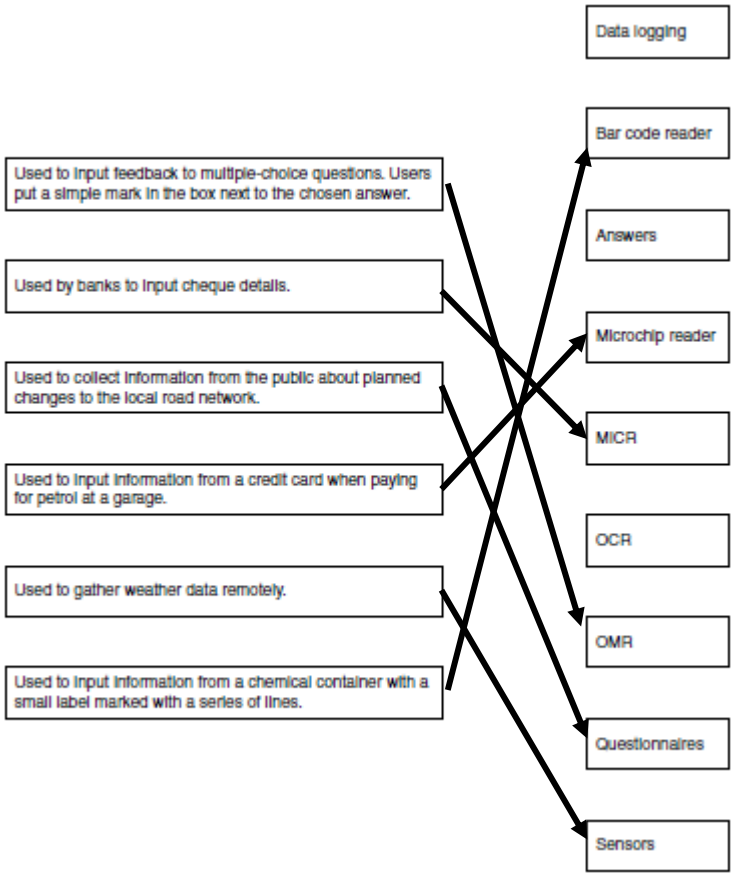
Question	Expected Answer	Mark	Rationale
1	One mark for each correct line (a line should start and end in the box containing the correct text)  One mark for each correct application.	[6]	
2	**Input Devices** One mark for each valid answer eg mouse – to select item/interact with screen/navigate keyboard – to insert/type/enter/key in information/data scanner – to input images/documents on to computer touch screen – similar to mouse/keyboard – easier method of input **Output Devices** One mark for each valid answer eg printer – to produce hard copy/documents/images/printout screen/monitor/projector – to see what they are doing on computer plotter – to produce graphical drawings/plans speakers/headphones – to output sound/music/voice **Storage Devices** One mark for each valid answer eg CD/CDR/CDRW – to store e.g. documents/files/music/software/backups DVD – to store e.g. movies/films/documents/files/music/software/backups hard disk/drive – to store e.g. documents/files/music/software/backups floppy disk – to store small files/documents/ to transfer files etc to another pc memory card – to store images when taken on a digital camera/mobile flash card/usb stick/memory stick/pen drive – to store e.g. documents/files/music/software/backups/ to transfer files etc to another pc	[12]	Use must relate to Our Future – not games Do not award printer ‘to print out’, scanner ‘to scan’ etc by itself Do not award repeat uses Do not award ‘usb’ on its own

Question	Expected Answer	Mark	Rationale
3	One mark for each correct method eg • Passwords • Keeping a backup copy • Locked file/blocked file • Access levels The second marks are for an expansion of how their suggested methods would prevent database being replaced eg • A password could restrict the people who should not save files. (1) • A backup would allow the organisation to return to a previous version. (1) • If the file is locked it cannot be changed. (1) • Individuals have different permissions for access to the software	**[4]**	Accept any sensible answer. Do not accept repeat answers. Cross over with Q2 higher tier.
4 Built in cameras	One mark for each point up to three. Points MUST relate to Our Future needs. • They can take pictures of companies abusing the environment. • Send them immediately to other members as picture messages. • Mobile phones are more discreet so you can hide them more easily. • Readily available so most members would have one.	**[3]**	Do not award marks for general answers. The candidate must relate the functionality to the needs of the organisation. Cross over with Q4 on the higher tier.
Email	One mark for each point up to three. Points MUST relate to Our Future needs. • The members don't need an internet connection and this would be hard to find on site • It is easy to send a message from a mobile phone using the normal mobile network • Emails can have picture messages, attachments, and be any length so more information about the company can be sent. • You can write to more than a person at a time, this is ideal for an organisation sharing data • You can set up a list of other members and send one message to everyone on the list.	**[3]**	

Question	Expected Answer	Mark	Rationale
SMS	One mark for each point up to two. Points MUST relate to Our Future needs. • Available to most members even if they don't have an email address/internet connection • Members can arrange meetings at the last minute • It is hard for others to intercept SMS messages so they are secure	**[2]**	
Mobile internet	One mark for each point up to two. Points MUST relate to Our Future needs. • Members can research the latest company information as new data becomes available • They can access blogs and reports on companies they are investigating • Members can search for other members nearby • Internet research/online tools e.g. translator • Upload to websites • Remote access to computers	**[2]**	
5	One mark for D or HjK897-e up to two additional marks for points in description • the password included upper and lower case letters • a dash/special characters • numbers and are random • not a recognisable word • mixture of (letters) and numbers. • words can be found on a dictionary program • hard for automatic trial (only 25 letters) • length	**[3]**	Cross over 8b higher tier

Question	Expected Answer	Mark	Rationale
6	Answers One mark for each valid reason e.g. • low bandwidth/poor signal, • slow computer/server, • too many graphics/large pages, • computer doing other things at the same time etc/virus checking/lack of memory in pc/virus activity, • video opening, • update taking place, • too many people accessing	**[3]**	

Question	Expected Answer	Mark	Rationale
7	Answer: One mark for each valid point e.g. • A calculator is only useful when the calculations are simple. • The cost of each stage of travel can be calculated and stored on the spreadsheet. • The user is also likely to want a printout of these calculations. • A spreadsheet stores/saves many of the calculations/formulas. • Difficult to change the numbers you have entered in a calculator/can change numbers easily in spreadsheets • Costings on a spreadsheet can be integrated into other documents/not possible using a calculator. • Can produce charts. • Can copy and paste into other documents. • Can model, goal seek etc.	**[5]**	Do not award advantages of one as disadvantages of the other as separate marks
8	One mark for a suitable use of the screen e.g. all the screen used One mark for each of the following key information: • A link to another page • The name of Our Future • Clear/simple design/appropriate • Different styles or size of font/word art/ • A heading • Link to contact page or contact details • Different colours/ image(s)	**[6]**	

Question	Expected Answer	Mark	Rationale
9		[6]	Cross over with Q7 on higher tier.

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