

Teacher Resource Bank

GCE Information Communication Technology

Additional Sample Questions:

- INFO1
- INFO2



Additional Sample Questions for INFO1 and INFO2

Analysis and Design	<p>Give two examples of questions that you asked your client when you investigated the problem that they wanted solving.</p> <p>Explain why the questions were important to ask.</p>
Implementation and testing	<p>Spreadsheet solutions to problems can often include errors that mean that the information they produce is misleading.</p> <p>Suggest how a spreadsheet solution can be tested to make sure that:</p> <ul style="list-style-type: none"> (a) The data input is valid (b) The information output is accurate (c) The information produced by it is presented in the most suitable way for the person(s) who is going to use it.
Evaluation of ICT solutions	<p>Describe a problem that you have solved using ICT.</p> <ul style="list-style-type: none"> (a) Identify who needed the solution and who will use the solution. (b) What did the solution need to produce? In what format should it be produced? (c) How did you evaluate the success or failure of your solution to produce what was required?
ICT Systems	<p>Give an example of an output from an ICT system and explain why the ICT system is used to produce it</p>
Data and information	<p>Give an example of data that would be input into an ICT system in each of the following forms:</p> <ul style="list-style-type: none"> (a) Numbers (b) Text (c) Sound (d) Still image (e) Moving images.
Transfer of data in ICT systems	<p>Discuss, using examples, the advantages and disadvantages of using ICT for communicating with friends and family.</p>
Safety and security of ICT systems	<p>One of the biggest threats to an organisation's ICT systems can come from the organisation's own employees.</p> <p>Discuss this statement including in your answer examples of how employees can be a threat and what measures the organisation can take to protect their systems from these threats.</p>

<p>People and ICT systems</p>	<p>Give an example of a job that an ICT professional might do. Explain two personal qualities that would be required for the job.</p>
<p>Procedures for backup and recovery</p>	<p>A friend of yours, who is secretary of the local football club, complains that he lost all of his files on his computer and had to pay someone to rescue them for him.</p> <p>He asks you what he should be doing in future to make sure that the same problems do not happen again.</p> <p>Explain the steps that your friend could take to make sure that all of his data and program files are backed up and can be recovered if a problem does occur.</p>
<p>Uses of ICT systems</p>	<p>A member of your family wants to make a copy of an old photograph that they have found in a magazine, so that it can be sent to a relative in Australia.</p> <p>Describe what you would do to provide them with a digital copy of the picture that they could attach to an email.</p> <p>Include in your answer:</p> <ul style="list-style-type: none"> (a) The steps that you would take and the hardware and software that you would need (b) How you would ensure that the picture was of a high quality (c) What you might have to check with the publishers of the magazine.
<p>Factors and consequences of ICT</p>	<p>A zoo has decided to introduce information kiosks at various locations around the zoo.</p> <ul style="list-style-type: none"> (a) What are the advantages and disadvantages to the zoo's management of doing this? (b) What are the advantages and disadvantages for visitors to the zoo of having the kiosks to use? (c) Explain the factors that should be considered when designing an interface for an information kiosk in a visitor attraction such as a zoo or a museum.