

A* Exemplar

53 of 70 possible points.

Total score: 76 %



Question Results

Score 1 of 1

Question:

Multiple choice question

1. A device or program to help people with disabilities to use computers is called

an aggregated technology

an aggressive technology

an assistive technology

an assertive technology

Response:

an aggregated technology

an aggressive technology

an assistive technology

an assertive technology

Score 1 of 1

Question:

Multiple choice question

2. The operating system most likely to be affected by a virus embedded in a program is

Windows XP

Linux

iOS

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Windows 8

Response:

Windows XP

Linux

iOS

Windows 8

Score 1 of 1

Question:

Multiple choice question

3. The correct order for carrying out a list of tasks for a project is

evaluation, doing, planning, research

doing, research, planning, evaluation

research, planning, doing, evaluation

planning, evaluation, research, doing

Response:

evaluation, doing, planning, research

doing, research, planning, evaluation

research, planning, doing, evaluation

planning, evaluation, research, doing

Score 1 of 1

Question:

Multiple choice question

4. An example of bad IT security is

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backing up data regularly

using a firewall to and from the Internet

using strong passwords

throwing away old server hard drives

Response:

backing up data regularly

using a firewall to and from the Internet

using strong passwords

throwing away old server hard drives

Score 0 of 1

Question:

Multiple choice question

5. The most sensible way of keeping safe 900 Gigabytes of data that takes 2 hours to back is to

back up everything once a week.

backup only the data that changes when it changes.

back up everything every hour.

back up data that changes when it changes and backup everything every day.

Response:

back up everything once a week.

backup only the data that changes when it changes.

back up everything every hour.

back up data that changes when it changes and backup everything every day.

Score 0 of 1

Question:

A* Exemplar

Multiple choice question

6. Which of the following file formats is not an open standard?

.doc

.odt

.pdf

.ogg

Response:

.doc

.odt

.pdf

.ogg

Score 1 of 1

Question:

Multiple choice question

7. A responsive web site design

works only in Microsoft Windows.

changes to suit the device displaying it.

speaks the text as well as displaying it.

loads more quickly on wireless devices.

Response:

works only in Microsoft Windows.

changes to suit the device displaying it.

speaks the text as well as displaying it.

loads more quickly on wireless devices.

Score 1 of 1

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Question:

Multiple choice question

8. You find a good piece of information on Wikipedia to use in your project. It is acceptable to



copy the work and use it in your project as long as you don't alter it.



copy the work and use it in your project as long as you do alter it.

copy and use the work as long as you give credit to Wikipedia.

copy the work and use it if you pay Wikipedia.

Response:

copy the work and use it in your project as long as you don't alter it.

copy the work and use it in your project as long as you do alter it.

copy and use the work as long as you give credit to Wikipedia.

copy the work and use it if you pay Wikipedia.

Score 0 of 1

Question:

Multiple choice question

9. I have made a video that I want to upload to You Tube. The video file is 480MB in size and my network connection works on average at 8 mbps, to upload the video will take roughly



8 seconds

8 minutes

18 minutes

28 minutes

Response:

8 seconds

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8 minutes

18 minutes

28 minutes

Score 1 of 1

Question:

Multiple choice question

10. If someone sends you an email which is advertising some services and you have not requested it, it is known as

phishing

advertexting

shot mail

spam

Response:

phishing

advertexting

shot mail

spam

Score 2 of 2

Question:

Long answer question

11. Your friend gives you their USB drive as they have a file for you. You need to take the drive home to transfer the file to your computer. What two things should you consider before transferring this file? (2 marks)

Answer hidden

Response:

Doing a virus scan to make sure the file is safe before opening it.
You should also check the size of the file and make sure you have enough storage space to transfer the file over.

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Score 1 of 3

Question:

Long answer question

12. ISPs (Internet Service Providers) are companies that run computer servers to provide internet connections to customers. These servers will carry customers' confidential information. Describe three types of security other than backups that the ISPs should employ to protect customer data. (3 Marks)

Answer hidden

Response:

Encryption to protect the data by not making it readable by anyone else, firewalls to monitor and restrict access to and from the internet and virtual private networks (VPNs).

Score 0 of 2

Question:

Long answer question

13. You have been asked to create some information about your school for sharing with the community in a partner school in Europe. What application would you use and why? (2 Marks)

Answer hidden

Response:

Microsoft PowerPoint: This is because you can arrange text and display information neatly and choose how it is displayed to the audience. You can also use things such as images to give the audience more information.

Score 4 of 4

Question:

Long answer question

14. The log files for visitors to the W3Schools website detected the following operating systems. The table shows the proportion of hits for each operating system.

| Date | Win 8 | Win 7 | Vista | NT | WinXP | Linux | Mac | Mobile |
|-------------|-------|-------|-------|------|-------|-------|------|--------|
| August 2014 | 18.1% | 54.2% | 1.0% | 0.2% | 6.5% | 5.6% | 9.7% | 4.9% |

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| | | | | | | | | |
|-------------|------|-------|------|------|-------|------|------|------|
| August 2013 | 9.6% | 55.9% | 1.7% | 0.4% | 14.7% | 5.0% | 9.2% | 3.4% |
| August 2012 | | 54.5% | 3.2% | 1.3% | 24.8% | 5.0% | 8.7% | 1.8% |
| August 2011 | | 40.4% | 5.9% | 0.8% | 38.0% | 5.2% | 8.2% | 0.9% |

Provide 4 clear statements about the way operating systems use is changing now and into the future. (4 marks)

Answer hidden

Response:

More people have been using mobile devices since August 2011.
Less people have been using Vista since August 2011.
Slightly more people have been using a Mac since August 2011.
The amount of people using Linux in August 2012 - August 2013 has not changed, but has slightly increased in August 2014.

Score 2 of 2

Question:

Long answer question

15. A group of people from all over the country come to a presentation about a subject where there are changes every week. Give two disadvantages of using Powerpoint to present information to this audience with the intention of providing a copy of the presentation file to each person. (2 Marks)

Answer hidden

Response:

It would take up more storage and time for the person to copy over the presentation for each person. Since there are changes every week, the person will have to re-edit the PowerPoint presentation and re-copy the files over. If he used a website, everyone will be able to view it without anything being copied over every time the presentation is updated.

Score 1 of 3

Question:

Long answer question

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16. Your school is going to buy a new tablet computer for every student. Explain the things that need to be considered in making this decision. (3 Marks)

Answer hidden

Response:

They will need to monitor what the students are doing on the Tablets, such as what websites they are visiting, to make sure they're using them for school work/research and not playing games. They will also have to consider security, such as installing an Antivirus on every tablet to prevent the students from installing viruses. They will also need to monitor who uses the tablets and keep a close record of it in case anyone vandalises the equipment.

Score 2 of 3

Question:

Long answer question

17. You are working as part of a small team of students on a project to design a new poster for your school art department. Your friend is designing the main graphic for the poster which will be printed in different sizes (A0, A1, A2, A3, A4, A5 etc) and might need to be printed or adapted later for different sizes. Explain why a scalable graphics format such as .svg is a better choice for this than a .jpg. (3 Marks)

Answer hidden

Response:

An .svg file is a vector file. This means that the vector file can be scaled to any size and not lose image quality and become pixelated like a bitmap if the image's size is increased too much. If a scalable graphic is used, then no adjustments will have to be made when printing on different paper sizes, since the image won't lose any quality.

Score 2 of 2

Question:

Long answer question

18. When buying computer equipment including software, there are direct costs and indirect costs. Give an example of a direct cost and an example of an indirect cost. (2 Marks)

Answer hidden

Response:

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The direct cost would be the actual cost to buy the software. An indirect cost would be for any add-ons that may not be included with the software, and it would be an optional purchase (and an additional price).

Score 3 of 3

Question:

Long answer question

19. Your friend needs a word processor for their own personal use. What would you advise them to do and why? (3 Marks)

Answer hidden

Response:

I would tell them to purchase Microsoft Office. This is because it comes with many different features and different pieces of software for different purposes, allowing them to do different types of work. They would also be able to easily share their work with others, such as teachers and save their projects for later use. I would also advise Microsoft Office because there is also a trial version for the software, so they will be able to do their work using Microsoft Office for free, but for a limited time.

Score 3 of 3

Question:

Long answer question

20. In most editing software, keyboard shortcuts are standardised. Write down the keyboard shortcuts for copying highlighted text, pasting text copied to the clip board and undoing the last operation. (3 Marks)

Answer hidden

Response:

Control + C (Copying highlighted text).
Control + V (Pasting the text).
Control + Z (Undoing the last operation).

Score 3 of 3

Question:

Long answer question

21. SMART targets are used when planning projects. For a project you did, describe 3 SMART targets that you set. (3 Marks)

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Answer hidden

Response:

I set myself a goal for the time I had (so what I would be able to do by the end of the lesson).

I also planned out the stages I would do, e.g. planning, research, and how long it would take me to do them.

I also gathered peer feedback and evaluated on how I could improve my project based on others' feedback.

Score 2 of 2

Question:

Long answer question

22. What is the purpose of an Acceptable Use Policy (AUP)? (2 Marks)

Answer hidden

Response:

To present a set of rules for an audience, so they know how to use something, such as IT, properly. It also tells them the consequences they would face if they do not follow the AUP/violated the rules set in the AUP.

Score 3 of 3

Question:

Long answer question

23. Take one subject at school and describe 3 ways in which IT makes you more productive in it. (3 Marks)

Answer hidden

Response:

In science, if I am confused about a topic, I can research it to gain a better understanding of the topic.

IT also helps me to easily record any notes and take them back to use later to e.g. revise.

I can also note down any homework set by teachers to remind me to hand in my homework on time.

Score 0 of 2

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Question:

Long answer question

24. What is meant by the term “vendor lock-in”? Why can this be a problem? (2 Marks)

Answer hidden

Response:

When the user cannot have access to their computer. This can be a problem because the user will not be able to access any of their work.

Score 1 of 3

Question:

Long answer question

Q25. The following macro by a member of the Open Office team is designed to create a dialogue to take a person’s name and store it.

```
REM ***** BASIC *****
```

```
Sub Main
```

```
End Sub
```

```
sub EnterMyName
```

```
rem -----
```

```
rem define variables
```

```
dim document as object
```

```
dim dispatcher as object
```

```
rem -----
```

```
rem get access to the document
```

```
document = ThisComponent.CurrentController.Frame
```

```
dispatcher = createUnoService("com.sun.star.frame.DispatchHelper")
```

```
rem -----
```

```
dim args1(0) as new com.sun.star.beans.PropertyValue
```

```
args1(0).Name = "Text"
```

```
args1(0).Value = "Andrew Pitonyak"
```

```
dispatcher.executeDispatch(document, ".uno:InsertText", "", 0, args1())
```

```
end sub
```

What is the purpose of the abbreviation “rem” in this code? (1 Mark)

What type of data is the main variable in the program? (1 Mark)

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What do sub and end sub do in this code? (1 Mark)

Answer hidden

Response:

The permissions the app has. (rem 'do this') is basically a command set for the application to carry out.

The person's information that has come from the document.

'Sub' and 'end sub' are the starts and ends of the code. There is more than one of these since there are different parts of the code that are put into groups.

Score 3 of 4

Question:

Long answer question

26. Explain two advantages and two disadvantages of using a cloud based technology to support your work. (4 Marks)

Answer hidden

Response:

An advantage is that most cloud based technologies are free. They can also give you a lot of storage, and can offer you to purchase more storage space. Also, another advantage is, that the data is normally encrypted so the information cannot be read/accessed by anyone else.

A disadvantage is that you don't know that the companies will do with your data in the cloud, so your privacy may be at risk. Another disadvantage is that you need an internet connection to access cloud based technologies such as cloud storage.

Score 3 of 3

Question:

Long answer question

27. You have started at a new school and their Acceptable Use Policy requires a strong password for your network access. Write down an example of a suitably strong password. (3 Marks)

Answer hidden

Response:

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1@m3xce11EnT

(This uses upper and lower case letters, numbers and symbols).

Score 2 of 2

Question:

Long answer question

Q.28 The current law in England that protects copyright against software piracy currently limits fines to £5,000. Explain whether you think this is too much, too little or about right giving your reasons. (2 Marks)

Answer hidden

Response:

I think that in most cases, the fine is too much. This is because if someone illegally downloads a piece of music that is e.g. £2. Then facing a fine of £5000 is too high because the price of the music not being paid will barely put the artist at a disadvantage. Although, if you claim rights/illegally download very expensive software, then high fines would be acceptable because if someone got the software for free when they'd normally have to pay £1000, then that would put the owner of the software at a large disadvantage, as it will make them lose a lot more money than they would if someone got a £2 song for free. Although, high fines are acceptable for things of low cost, such as music if many people are downloading it illegally, as it makes the artist lose a lot more money, making the issue a lot more serious.

Score 3 of 3

Question:

Long answer question

29. What is the difference between putting your work into the public domain and allowing it to be used under a license that allows sharing? (3 Marks)

Answer hidden

Response:

If you put your work under a public domain, then anyone could take it and claim it as theirs, and everyone will have access to your work.
If you're under a license that allows sharing, then people will have to abide by the rules of the license, and not just anyone can take your work, as people will need permission to share it. The work is also licensed to you, so you will officially own it, unlike in a public domain where anyone can just say that your work is theirs, and you will have no

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evidence to disprove them and you cannot do anything about it since it's not licensed to you.

Score 3 of 3

Question:

Long answer question

Q.30 You have been elected as student governor in your school. The governors are considering new software for the school and they know that you use open source software. They ask you why the school should consider open source, what is your answer? (3 Marks)

Answer hidden

Response:

I think that the school should consider open source software, because first of all: Updates: the software can get regular improvements and updates by other developers around the world, as well as the company that makes the software. The users can also give their feedback and submit bugs if something isn't working, and so the problems can be quickly fixed.

Another reason is that the software will be more compatible with other systems, this is good because the school won't have to invest more money in updating their computers, just so they can install the software.

Another advantage is that most open source software is free to use for the user, which will cost the school less money so they can focus on using their money to improve other aspects of the school.

Score 2 of 2

Question:

Long answer question

31. What is the difference between lossy file compression and lossless file compression? (2 Marks)

Answer hidden

Response:

Lossy file compression is when if e.g. an image such as a .jpg gets compressed, so it is a smaller file format, which saves storage space for the user, some of the image quality gets lost during the compression.

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Lossless file compression is when the file e.g. an image such as a .png gets compressed, the image won't lose any of its quality, but may be a slightly larger file size.

Score 1 of 3

Question:

Long answer question

32. What is HTML 5 and why is it important? (3 Marks)

Answer hidden

Response:

HTML 5 is the language used in websites and when making/coding them. It is important because it is widely used around the world and it is used in every single website on the internet. HTML is easy for the developer to read, and allows the website to function properly.