

Revision Questions

_____/84 marks ____%

ICT BTEC Level 1/Level 2 First
Unit 1: The Online World

Name:

Form:

1. Which one of the following not a real-time online service?

- Instant messaging
- Pollen count website
- Live bus timetable
- News app

(1 mark)

2. Give two reasons why a user may use download services to acquire software instead of more traditional methods.

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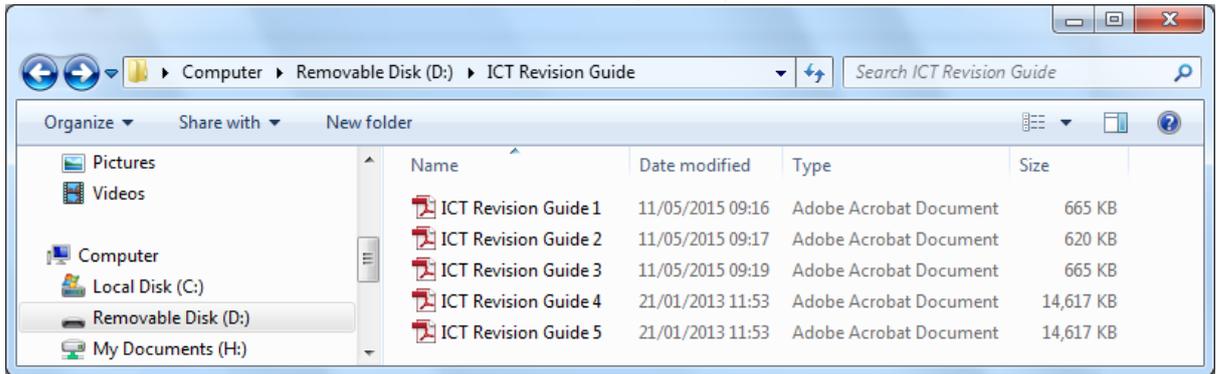
(2 marks)

3. Explain how banner and pop-up adverts aim to capture and retain the interest of webpage users.

.....
.....

(2 marks)

4. Sharmeen is sending an email. She would like to attach 5 files which total 31 Mb. Her email's limit is 25Mb but she does not want to send them separately.



(a) Explain how files compression would help.

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(2 marks)

(b) Describe the process of compressing and expanding the files.

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(2 marks)

5. State **two** benefits of using online software, as opposed to standalone software.

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(2 marks)

/11 marks

6. Keith and Shabina are working on a collaborative document.

(a) Give **one** reason why version control is important.

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..... (1 mark)

(b) Describe **one** way they ensure version control is used.

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..... (2 marks)

7. Describe **two** ways a business could use social networking to enhance their business and make it more profitable.

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..... (4 marks)

8. Explain how instant messaging is different from email as a method of communication.

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..... (2 marks)

9. VoIP is being used by a business to allow colleagues in different branches to held weekly meetings. Explain **two** benefits to the business of using this technology.

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..... (4 marks)

10. Name **two** advantages of cloud computing.

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..... (2 marks)

11. Give **two** examples of where ubiquitous computing might be useful.

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..... (2 marks)

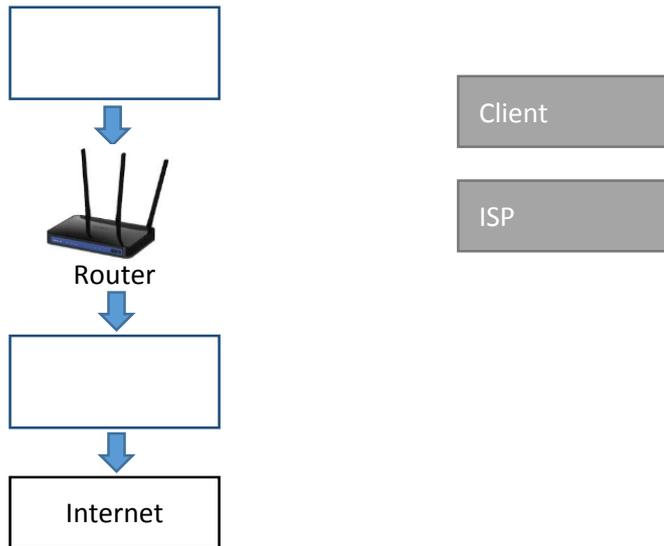
12. What name is given to the device that directs the traffic over the internet?

Modem Client Server Router

(1 mark)

/18 marks

13. Complete this diagram :



(2 marks)

14. Describe the effect low bandwidth would have on the running of a website and why this might be.

(2 marks)

15. Which **one** of the following is a protocol?

- ISP FTP NAP HTML

(1 mark)

16. Explain how a user requests a web page and how it then appears on a user's screen.

(4 marks)

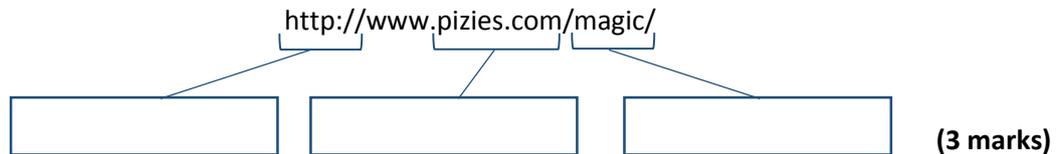
17. Write the HTML to create a hyperlink to www.penguins.com where the user would click on the image to the right called penguins.jpg



(3 marks)

/12 marks

18. Label the three parts of this URL



19. Explain how a search engine works.

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(2 marks)

20. Explain how a search engine works.

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(2 marks)

21. Email is known as a STORE and FORWARD system.

(a) Explain the SMTP email protocol.

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(2 marks)

(b) Explain the role of the POP3 email protocol.

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(2 marks)

22. Packet switching is the process of data being broken into 'packets' before being sent through a network and then reassembled at the other end.

(a) Explain **one** advantage of packet switching over the internet.

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(2 marks)

(b) Explain one disadvantage of packet switching of the internet.

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(2 marks)

23. Parallel transmission is faster than serial transmission because:

- | | |
|---|--|
| <input type="checkbox"/> it transfers one bit at a time | <input type="checkbox"/> it can be used over large distances |
| <input type="checkbox"/> it transfers several bits at the same time | <input type="checkbox"/> it is good over shorter distances |

(1 mark)

/16 marks

24. Match up the cable type with its description.

- | | |
|-------------|--------------------|
| Fibre optic | slow, low capacity |
| UTP | fast, expensive |
| Coaxial | cheap |

(3 marks)

25. A small business has used Bluetooth to connect computers to one printer in the office. Identify which **two** of these issues might cause problems.

- The printer is a long way away from the computer.
- The printer is being used by many users at the same time.
- The printer is near a kitchenette where there is a kettle and a microwave.
- The printer's NIC is at the back of the device.
- The printer is plugged into a socket next to the computer.

(2 marks)

26. Describe **one** reason a webpage may use client-side processing for a clock on their website.

(2 marks)

27. (a) Explain what server-side processing is.

(2 marks)

(b) Describe the benefits and the disadvantages of this type of data exchange.

(4 marks)

28. Explain why a primary key needs to appear in a linked table..

(2 marks)

/15 marks

29. (a) State **one** feature of a local database.

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(1 mark)

(b) State **one** feature of an online database.

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(1 mark)

30. Describe **two** threats which can affect a business' data.

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(4 marks)

31. Explain **two** measures you can take to protect your e-reputation.

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(4 marks)

32. Sam is setting up a new café as a business. He uses a search engine to find images from UK websites and adds them to his menu.

Select **two** statements that are true about this situation by ticking the boxes below.

- All images on the internet are free from copyright so can be used wherever he wants.
- He has broken UK law because he is making money from his café.
- He has not broken the law because he did not know the images were protected under copyright.
- He is likely to be fined under the Copyright, Designs and Patents Act 1988
- He has not broken the law because his images are not from a company website.

(2 marks)

/12 marks