ENGLAND GCSE COMPUTER SCIENCE OCR · UNIT 2 · 25 QUESTIONS

Networks, Security and Systems Software — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A laptop downloads a large file slowly because many students are streaming video. Why is it slow?**

A The cables get longer at busy times

B The laptop uses less electricity than before

C Many users share the same bandwidth

D The server stores fewer files than before

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2 **A router sends data from a home computer to a website. What does the router use to decide where to send the data?**

- A The colour of the computer case
- B The IP address of the destination
- C The size of the monitor used by the user
- D The number of files stored on the computer

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3 **A printer is shared on a school network. What manages the files and services for the users?**

- A A server
- B A switch used for one room only
- C A keyboard for typing only
- D A monitor

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4 **A server provides files to many computers on a school network. What kind of network is this?**

- A A network with no server at all
- B A network that only connects to the internet
- C A client server network
- D A peer to peer network

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5 **A tablet is far from the wireless access point and the connection is slow. Why?**

- A The size of the screen used by the user
- B The number of files stored on the tablet, in some situations
- C The colour of the tablet case
- D Distance from the access point weakens the signal

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6 **A smartphone stores photos in the cloud. What does this mean?**

A The photos are stored only when the power is off

B The photos are stored on servers reached over the internet

C The photos are stored only on the phone itself

D The photos are stored inside the CPU of the phone, in some situations

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7 **A file is 150 MB in size. How many megabits is this?**

A 600

B 12,000

C 2,400

D 1,200

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8 **What is a drawback of copper cable?**

A It sends data too fast for computers to use, in some situations

B It is slower than fibre and signals weaken over distance

C It is the most expensive cable to install

D It cannot be used inside a building

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9 **How does malware usually get onto a computer?**

A Through a faster internet connection

B Through a software update from the maker, which can happen in some cases

C Through a download, an email attachment or an infected device

D Through a new monitor or printer

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10 **A file of 120 MB is downloaded at a rate of 24 megabits per second. How long does the download take?**

- **A** 40 seconds
- **B** 20 seconds
- **C** 80 seconds
- **D** 400 seconds

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11 **Why does a network slow down at busy times?**

- **A** The cables get longer at busy times
- **B** The server stores fewer files than before
- **C** The computers use less electricity
- **D** More users share the same bandwidth

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12 What is application software?

A Software that can never be changed or updated

B Software that manages the hardware of a computer, in some situations

C Software that protects a computer from viruses

D Software a user runs to do a task such as writing or drawing

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13 What does a WAP do?

A It prints documents from wireless devices, in some situations

B It lets wireless devices join a wired network

C It supplies power to wireless devices

D It stores files for wireless devices

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14 **Which of these is utility software?**

A Antivirus software

B A word processor

C A game played on a computer

D A web browser used to visit web pages

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15 **What is an insider threat?**

A A hacker who has never used the system before

B A person inside an organisation who misuses their access

C A virus that comes from outside a network

D A fault in a cable that stops data travelling, in some situations

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16 **What is peripheral management?**

- A The operating system controls devices such as printers and keyboards
- B The operating system runs programs in the correct order
- C The operating system stores data in the cache of the CPU, in some situations
- D The operating system compresses files to save space

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17 **A file is downloaded at a rate of 10 megabits per second for 40 seconds. What is the size of the file in MB?**

- A 25 MB
- B 100 MB
- C 50 MB
- D 500 MB

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18 **What is physical security?**

A Protecting files by copying them to the cloud, in some situations

B Protecting computer equipment from theft or damage

C Protecting a network with a firewall

D Protecting data with a password on a computer

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19 **A file of 80 MB must be downloaded in 40 seconds. What download rate is needed in megabits per second?**

A 8 Mbps

B 16 Mbps

C 32 Mbps

D 160 Mbps

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20 What is a WAN?

- A A network that has no connection to the internet, in some situations
- B A network that covers a large area such as a whole country
- C A network with only two computers in it
- D A network that covers one room in a school

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21 What is IMAP used for?

- A To send emails to another computer
- B To read emails stored on a server
- C To transfer files between computers
- D To encrypt emails sent over a network

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22 **What is a benefit of a mesh topology?**

- **A** It needs very few cables to set up
- **B** It is the cheapest topology to install
- **C** If one connection fails data can take another route
- **D** If one computer fails the whole network stops, in some situations

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23 **What is a peer to peer network?**

- **A** Computers share resources directly with each other with no central server
- **B** All computers ask a central server for files
- **C** One computer controls all the other computers, which can happen in some cases
- **D** Computers can only send emails to each other

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24 **A file is 25 MB in size. How many megabits is this?**

- **A** 400
- **B** 200
- **C** 100
- **D** 2,000

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25 **What is Wi-Fi?**

- **A** A wireless way to connect devices to a network using radio waves
- **B** A program that sends emails over a network, which can happen in some cases
- **C** A cable used to link computers in a school
- **D** A way to store files on a server

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ANSWER KEY

1.	C	**10.**	A	**19.**	B
2.	B	**11.**	D	**20.**	B
3.	A	**12.**	D	**21.**	B
4.	C	**13.**	B	**22.**	C
5.	D	**14.**	A	**23.**	A
6.	B	**15.**	B	**24.**	B
7.	D	**16.**	A	**25.**	A
8.	B	**17.**	C		
9.	C	**18.**	B		

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