



GCSE DIGITAL TECHNOLOGY (ICT) – PRACTICE PAPER (NI – CCEA STYLE)

Time: 1 hour 30 minutes **Total Marks:** 100 **Answer all questions.**

SECTION A – HARDWARE, SOFTWARE & SYSTEMS (30 MARKS)

1. Tick the correct answer. What type of device is a keyboard?

A. Output device B. Input device C. Storage device *(1 mark)*

2. Give two examples of output devices.

(2 marks)

3. State one difference between RAM and ROM.

(2 marks)

4. What is an operating system? Give one function it performs.

(3 marks)

5. Identify the type of network described:

“Computers are connected in a small area such as a school or office.” *(1 mark)*

6. Give two advantages of using cloud storage.

(2 marks)

7. Explain what is meant by ‘open-source software’.

(2 marks)

8. A school uses a server to store student files. Give two reasons why this is useful.

(2 marks)

9. Describe the difference between a router and a switch.

(4 marks)

10. A business wants to upgrade its computers. Explain two factors they should consider when choosing new hardware.

(4 marks)

SECTION B – DATA, SECURITY & ONLINE SAFETY (30 MARKS)

11. What does the term 'phishing' mean?

(2 marks)

12. Give one example of personal data protected under GDPR.

(1 mark)

13. State two ways to create a strong password.

(2 marks)

14. Explain what encryption is and why it is used.

(4 marks)

15. A company stores customer information on a database. Give two risks of poor cybersecurity.

(2 marks)

16. What is two-factor authentication (2FA)?

(2 marks)

****17. A student receives a message from an unknown person asking for their login details.**

Explain two steps the student should take. *** (4 marks)*

18. Describe one advantage and one disadvantage of biometric security.

(4 marks)

19. Explain the difference between data and information.

(3 marks)

20. A school uses CCTV cameras. Explain one ethical issue and one legal issue related to this.

(4 marks)

SECTION C – DIGITAL APPLICATIONS & PRACTICAL ICT (40 MARKS)

21. Name two types of presentation software.

(2 marks)

****22. A student is creating a spreadsheet to track their spending.**

Give two examples of data they might enter. *** (2 marks)*

23. What is a formula in a spreadsheet? Give one example.

(3 marks)

24. Explain what a database field and a database record are.

(4 marks)

****25. A business wants to promote a new product online.**

Give two digital methods they could use. *** (2 marks)*

26. Describe two advantages of using email for communication.

(4 marks)

****27. A student is designing a poster for an event.**

Explain two features of good digital design. *** (4 marks)*

****28. A company uses video-conferencing software.**

Give one benefit and one limitation of using this technology. *** (4 marks)*

29. Explain what is meant by 'digital footprint'.

(3 marks)

****30. Extended Question**

A youth club wants to create a website to share information about events, photos, and contact details. Explain **three** things they must consider when designing the website. ****

(8 marks)