

Class 2 | Cyber Olympiad

Instructions: Each question has one correct answer. Choose the best option (A/B/C/D). Answer key is provided at the end. This paper is for practice only — not an official exam paper. Recommended time: **45 minutes**.

Q1. In a computer, RAM stands for:

A. Read And Memory

B. Random Access Memory

C. Run All Machines

D. Rapid Action Memory

Q2. The binary number 1010 equals which decimal number?

A. 10

B. 12

C. 8

D. 11

Q3. Which of these is a programming concept where instructions repeat?

A. variable

B. loop

C. condition

D. function

Q4. An algorithm is:

A. a type of computer virus

B. a programming language

C. a step-by-step set of instructions to solve a problem

D. a computer's memory unit

Q5. Which of these file types is an IMAGE file?

A. .txt

B. .mp3

C. .jpg

D. .docx

Q6. Which of these file types is an AUDIO file?

A. .png

B. mp3

C. .xlsx

D. .pdf

Q7. What does 'Ctrl + S' do in most programs?

A. Select all text

B. Save the file

C. Close the window

D. Print the document

Q8. In Scratch (a block-based coding program), 'sprites' are:

A. the background images

B. the sound effects

C. the characters or objects that are programmed to move

D. the script blocks

Q9. Which of these is an example of an INPUT device?

A. projector

B. microphone

C. printer

D. monitor

Q10. 1 kilobyte (KB) equals:

A. 100 bytes

B. 512 bytes

C. 1024 bytes

D. 10,000 bytes

Q11. Which key combination selects ALL text in a document?

A. Ctrl + X

B. Ctrl + A

C. Ctrl + C

D. Ctrl + V

Q12. What does an 'if-then' statement in programming do?

A. repeats instructions

B. stores a value

C. executes instructions only when a condition is true

D. ends the program

Q13. The 'cursor' on a computer screen is:

A. the background wallpaper

B. a type of file

C. the blinking marker showing where typed text will appear

D. the computer's speaker

Q14. Which of these is a correct email address format?

A. user@website.com

B. user/website.com

C. @user.website

D. user.website@

Q15. A 'bug' in a computer program is:

A. an insect inside the computer

B. an error or mistake in the code

C. a type of computer virus

D. a missing file

Q16. Which of these describes what a 'search engine' does?

A. stores your files

B. prints web pages

C. helps you find information on the Internet

D. creates email accounts

Q17. The process of finding and fixing errors in a program is called:

A. coding

B. compiling

C. debugging

D. formatting

Q18. In a spreadsheet, a 'cell' is:

A. a type of computer virus

B. a folder on the desktop

C. a single box where you enter data

D. a row of numbers only

Q19. What does 'URL' stand for?

A. Universal Read Language

B. Uniform Resource Locator

C. User Resource Link

D. Uniform Read Locator

Q20. A 'variable' in programming is used to:

A. repeat a block of code

B. make a decision

C. store a value that can change

D. end the program

Q21. Which of these is a video file format?

A. .doc

B. .mp4

C. .png

D. .xlsx

Q22. In a computer network, a 'server' is:

A. the person who fixes computers

B. a computer that stores and shares resources with other computers

C. a wireless keyboard

D. the monitor of a computer

Q23. What is the purpose of an antivirus program?

A. speed up the Internet connection

B. protect the computer from harmful software

C. create new files

D. take screenshots

Q24. In block-based coding (like Scratch), which block type controls WHEN something happens?

A. Motion blocks

B. Sound blocks

C. Event blocks (e.g. 'When green flag clicked')

D. Operator blocks

Q25. Which of these is the LARGEST unit of storage?

A. kilobyte

B. gigabyte

C. megabyte

D. terabyte

Q26. What does 'HTTPS' in a website address indicate?

A. the site is new

B. the site uses a secure, encrypted connection

C. the site is free

D. the site requires a password

Q27. Which of the following is an example of a 'conditional' statement in code?

A. repeat 10 times

B. if score > 10: print 'Well done!'

C. x = 5

D. def greet():

Q28. What does a 'router' do in a home network?

A. stores files permanently

B. prints documents wirelessly

C. connects devices to the Internet and routes data between them

D. runs programs faster

Q29. In a computer, 'booting up' means:

A. installing software

B. starting up the computer's operating system

C. shutting down

D. connecting to the Internet

Q30. The binary number system uses base:

A. 8

B. 10

C. 16

D. 2

Q31. Phishing is a type of online attack where criminals try to:

A. slow down your Internet speed

B. trick you into revealing personal information through fake emails or websites

C. delete your files

D. make your computer run hot

Q32. What does 'copy-paste' mean?

A. drawing a copy of an image

B. duplicating selected content and placing it elsewhere

C. moving a file to a new folder

D. printing twice

Q33. In programming, a 'loop' that repeats forever without stopping is called:

A. a for loop

B. a while loop

C. an infinite loop

D. a conditional loop

Q34. A computer's operating system (e.g. Windows, macOS) is responsible for:

A. creating websites

B. managing hardware and software resources

C. designing games

D. sending emails

Q35. What does 'Wi-Fi' allow you to do?

A. print documents faster

B. connect to the Internet wirelessly

C. store more files

D. make the screen brighter

Q36. In Scratch, the 'x' and 'y' coordinates control:

A. the size of the sprite

B. the sound volume

C. the position of the sprite on the screen

D. the speed of the program

Q37. A computer 'firewall' is used to:

A. cool down the computer

B. speed up the processor

C. block unauthorised access to or from a network

D. improve screen resolution

Q38. In HTML (used to make web pages), what does 'HTML' stand for?

A. Hyper Text Making Language

B. Hyper Text Markup Language

C. High Text Modern Language

D. Hyperlink Text Management Language

Q39. Which of the following best describes 'cloud storage'?

A. storing files on your computer's hard drive

B. storing files on a USB drive

C. storing files on remote servers accessed via the Internet

D. storing files on a CD-ROM

Q40. In Scratch programming, when a sprite says 'Hello!' for 2 seconds, which block type is used?

A. Motion

B. Looks

C. Sound

D. Control

Answer Key

Q1: B Q2: A Q3: B Q4: C Q5: C Q6: B Q7: B Q8: C Q9: B Q10: C
Q11: B Q12: C Q13: C Q14: A Q15: B Q16: C Q17: C Q18: C Q19: B
Q20: C Q21: B Q22: B Q23: B Q24: C Q25: D Q26: B Q27: B Q28: C
Q29: B Q30: D Q31: B Q32: B Q33: C Q34: B Q35: B Q36: C Q37: C
Q38: B Q39: C Q40: B