STUDENT COPY · SET B

# Class 5 · Computer Science Olympiad

| Total questions | Total marks | Time | Negative marking |
|---|---|---|---|
| 50 | 60 | 60 minutes | None |

Name: _____ Class/Section: _____ Roll no: _____

Each question has four options, of which only one is correct. Mark your answer on the answer sheet. The Achievers Section carries higher marks per question. Your teacher has the answers.
This is original practice material written to the Level 1 pattern. It is not a past paper and is not affiliated with SOF or any official olympiad body.

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## Logical Reasoning

10 questions · 1 mark each · 10 marks

Q1. Pointing to a boy in a photograph, Vikram said, “This boy is not me, but he is the son of my paternal grandfather’s only son.” How is the boy related to Vikram?

(A) Cousin (B) Nephew (C) Brother (D) Uncle

Q2. Find the next number in the pattern: 3, 9, 21, 45, ___

(A) 90 (B) 96 (C) 93 (D) 91

Q3. If the 18th of a month is a Sunday, what day of the week is the 27th of the same month?

(A) Tuesday (B) Wednesday (C) Thursday (D) Monday

Q4. Which of these figures has exactly 6 lines of symmetry?



(A) (B) (C) (D)

Q5. Which one does NOT belong with the others?

(A) Rectangle (B) Pentagon (C) Circle (D) Triangle

Q6. Kabir walks 6 m towards north, turns right and walks 2 m, then turns right again and walks 6 m. How far is Kabir from the starting point, and in which direction?

(A) 6 m, East (B) 2 m, East (C) 8 m, North (D) 2 m, West

Q7. Which letter comes next? C, G, K, O, ___

(A) W (B) T (C) S (D) R

Q8. In a queue, Deep is 7th from the front and 11th from the back. How many people are in the queue altogether?

(A) 19 (B) 17 (C) 16 (D) 18

Q9. In a row of 22 children, Ravi is 7th from the left end. What is Ravi's position from the right end?

(A) 16th (B) 18th (C) 17th (D) 15th

Q10. All but one of these numbers are multiples of the same number. Find the one that is not: 6, 13, 18, 21, 24

(A) 18 (B) 6 (C) 24 (D) 13

## Computer Science

30 questions · 1 mark each · 30 marks

Q11. Which attribute completes the HTML code <img ___="tree.png"> to show an image file?

(A) src (B) title (C) alt (D) href

Q12. What do we call a set of keys pressed together to do something quickly?

(A) A driver (B) A password

(C) A keyboard shortcut (D) A folder

Q13. What do we use to listen to sound from a computer?

(A) Mouse (B) Printer (C) Keyboard (D) Speakers

Q14. Which device is used to point and click on the screen?

(A) Mouse (B) Printer (C) Monitor (D) Speaker

Q15. What is a bug in a program?

(A) A kind of printer (B) A mistake that makes it behave wrongly

(C) A type of cable (D) A small insect inside the computer

Q16. What do we call the small blinking line that shows where you are typing?

(A) The icon (B) The window (C) The cursor (D) The folder

Q17. Which is the largest unit of the four?

(A) 1 byte (B) 1 kilobyte (C) 1 megabyte (D) 1 gigabyte

Q18. Which of these is used to switch a computer on?

(A) The power button (B) The mouse wheel

(C) The spacebar (D) The screen

Q19. Which of these is a part you can touch — the hardware?

(A) The keyboard (B) A website

(C) A song file (D) A game program

Q20. What does WWW stand for?

(A) Web World Wide (B) World Wide Web

(C) World Wired Web (D) Wide World Web

Q21. Which of these files is most likely a picture?

(A) song.mp3 (B) movie.mp4 (C) photo.jpg (D) notes.txt

Q22. What is a computer virus?

(A) A broken wire inside the computer (B) A type of printer

(C) A germ that makes the user ill (D) A harmful program that can damage files

Q23. Which part of the computer has keys with letters and numbers?

(A) Keyboard (B) Monitor (C) Speaker (D) CPU

Q24. How many main buttons does a simple mouse usually have?

(A) Two (B) One (C) Ten (D) Five

Q25. What does it mean to "download" a file?

(A) To delete it from your device (B) To copy it from the internet to your device

(C) To print it on paper (D) To send it to a friend

Q26. Which key do we press to start a new line while typing?

(A) Tab (B) Esc (C) Enter (D) Shift

Q27. On one slide, a star should appear only after the title is clicked. Which feature is best?

(A) Slide transition (B) Animation effect

(C) Theme design (D) Page orientation

Q28. Which of these is a storage device?

(A) Speaker (B) Monitor (C) Hard disk (D) Mouse

Q29. Where do we often see "www"?

(A) A file size (B) A phone number

(C) A website address (D) A password

Q30. Which of these is used to draw pictures on a computer?

(A) A calculator (B) A printer driver

(C) A password (D) A paint program

Q31. How many bits make one byte?

(A) 4 (B) 32 (C) 16 (D) 8

Q32. What shape is a normal computer mouse pointer usually?

(A) A circle (B) An arrow (C) A star (D) A square

Q33. Which of these is an output device?

(A) Mouse (B) Printer (C) Scanner (D) Keyboard

Q34. Where do we use the @ symbol most often?

(A) A phone number (B) A password only

(C) A file name (D) An email address

Q35. What is an algorithm?

(A) A type of virus
(B) A step-by-step method to solve a problem
(C) A storage device
(D) A kind of computer screen

Q36. What is the desktop on a computer?

(A) A wooden table
(B) A storage box
(C) A type of printer
(D) The main screen you see after starting up

Q37. What should you do before switching off the computer?

(A) Close your eyes
(B) Save your work
(C) Shake it
(D) Unplug it quickly

Q38. Which key is used to make a space between two words?

(A) Delete (B) Enter (C) Spacebar (D) Shift

Q39. What does a folder do?

(A) It types files
(B) It holds files together in one place
(C) It deletes files
(D) It prints files

Q40. Which of these is an input device?

(A) Speaker (B) Printer (C) Monitor (D) Keyboard

## AI, Robotics and Information Technology

5 questions · 1 mark each · 5 marks

Q41. What should you do if a stranger online asks for your home address?

(A) Post it publicly
(B) Share your school name instead
(C) Send it politely
(D) Refuse and tell a trusted adult

Q42. What is a QR code used for?

(A) To cool the computer
(B) To store information a camera can read quickly
(C) To print photos
(D) To charge a phone

Q43. Which of these is an example of a robot being useful in a factory?

(A) Assembling parts on a production line
(B) Dreaming about work
(C) Eating lunch with workers
(D) Sleeping at night

Q44. A computer program that answers questions in ordinary language is an example of:

(A) A spreadsheet
(B) A screensaver
(C) A printer driver
(D) Artificial Intelligence

Q45. Which of these is used to store and carry files between computers?

(A) A pen drive (B) A monitor (C) A keyboard (D) A speaker

## Achievers Section

5 questions · 3 marks each · 15 marks

Q46. In MS Paint, Kabir drew a closed kite shape and wants the whole inside to become blue with one click. Which tool should he use?

(A) Eraser tool
(B) Pencil tool
(C) Brush tool
(D) Fill with Color tool

Q47. Meena writes a story but closes the program by choosing Don't Save. Next day she cannot find the new lines. Where were those unsaved lines mainly kept while typing?

(A) CD-ROM (B) Pen drive (C) Hard disk (D) RAM

Q48. Why is it safer to switch off a computer using the Shut Down option rather than pulling out the plug?

(A) It saves electricity only
(B) It closes files properly so data is not lost
(C) It cleans the screen
(D) It makes the computer faster next time

Q49. Neha has a photo on paper. She wants to put it into the computer, edit it, and then show it on a wall screen. Which pair of devices matches the two jobs in order?

(A) Printer, scanner
(B) Projector, printer
(C) Scanner, projector
(D) Speaker, monitor

Q50. Sara wants to type 'Delhi' with only D capital. Which key should she hold while pressing D, then release for the other letters?

(A) Ctrl key
(B) Caps Lock key
(C) Shift key
(D) Enter key

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