

Class 5 · Computer Science Olympiad

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

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. The answer key with full solutions is at the end of this paper.

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.

Logical Reasoning

10 questions · 1 mark each · 10 marks

Q1. Five friends A, B, C, D and E sit in a row of five seats. A sits at the extreme left end, D sits at the extreme right end, C sits exactly in the middle and B sits between A and C. Who sits in the fourth seat from the left?

- (A) B (B) D (C) E (D) C

Q2. Find the odd one out: 27, 36, 54, 93, 99

- (A) 27 (B) 93 (C) 54 (D) 36

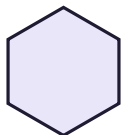
Q3. Find the next number in the pattern: 21, 24, 27, 30, ____

- (A) 33 (B) 36 (C) 34 (D) 30

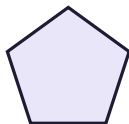
Q4. In a class, 19 students play cricket, 11 play football and 4 play both games. Every student plays at least one of the two. How many students are there in the class?

- (A) 30 (B) 22 (C) 26 (D) 27

Q5. Which of these figures has exactly 4 lines of symmetry?



(A)



(B)



(C)



(D)

Q6. Three of the following four are alike and form a group. Which one does NOT belong?

- (A) Banana (B) Apple (C) Mango (D) Carrot

Q7. In a row of 21 children, Arjun is 15th from the left end. What is Arjun's position from the right end?

- (A) 7th (B) 8th (C) 6th (D) 9th

Q8. Which letter comes next? E, G, J, N, ____

- (A) Q (B) R (C) S (D) T

Q9. Pointing to a boy in a photograph, Rahul said, "He is the son of my paternal grandfather's only son." How is the boy related to Rahul?

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

Q10. Count backward in 3s: 39, 36, 33, 30, ____

- (A) 27 (B) 30 (C) 24 (D) 28

- Q11. What should we do with dirty hands before using a computer?
(A) Rub them on the keyboard (B) Wash them
(C) Touch the screen anyway (D) Nothing
- Q12. What does CPU stand for?
(A) Computer Printing Unit (B) Central Processing Unit
(C) Control Panel Unit (D) Central Program Utility
- Q13. What do we call the small blinking line that shows where you are typing?
(A) The window (B) The icon (C) The folder (D) The cursor
- Q14. Which program would you use to type and format a letter?
(A) A web browser (B) A spreadsheet
(C) A paint program (D) A word processor
- Q15. Which key has the biggest size on a keyboard?
(A) The spacebar (B) The A key (C) The 1 key (D) The Z key
- Q16. Which of these is an example of hardware?
(A) An operating system (B) A web page
(C) A printer (D) A song file
- Q17. What do we use to listen to sound from a computer?
(A) Mouse (B) Printer (C) Keyboard (D) Speakers
- Q18. Which device is used to point and click on the screen?
(A) Mouse (B) Printer (C) Monitor (D) Speaker
- Q19. Which of these is a machine like a computer?
(A) A tablet (B) A towel (C) A plate (D) A chair
- Q20. Which shortcut selects everything in a document?
(A) Ctrl + Q (B) Ctrl + A (C) Ctrl + W (D) Ctrl + E
- Q21. If the computer does not start, what is the FIRST sensible thing to check?
(A) Whether the screen is dusty (B) Whether the mouse is new
(C) Whether the room is cold (D) Whether it is plugged in and switched on
- Q22. What is the @ symbol used in?
(A) A phone number (B) An email address
(C) A password only (D) A file name
- Q23. A calculator helps us to:
(A) Do sums quickly (B) Cook food
(C) Wash dishes (D) Sweep the floor

- Q24. Which of these is a storage device?
(A) Hard disk (B) Speaker (C) Mouse (D) Monitor
- Q25. How many main buttons does a simple mouse usually have?
(A) Five (B) One (C) Ten (D) Two
- Q26. What is software?
(A) The screen of a computer (B) The physical parts of a computer
(C) The wires inside a computer (D) A set of programs that tell the computer what to do
- Q27. Which of these is used to hear sound from a computer?
(A) Keyboard (B) Speaker (C) Mouse (D) Screen
- Q28. What should you do with a password?
(A) Tell your whole class (B) Use your name as password
(C) Keep it secret (D) Write it on the desk
- Q29. What do we call the pictures on a computer screen that we click to open programs?
(A) Cables (B) Keys (C) Pages (D) Icons
- Q30. Which of these is a programming language?
(A) Firefox (B) Windows (C) Notepad (D) Python
- Q31. Can a computer work without electricity?
(A) Yes, in summer (B) No
(C) Yes, always (D) Yes, at night only
- Q32. What is an email used for?
(A) Playing music only (B) Sending messages over the internet
(C) Charging the battery (D) Printing documents
- Q33. What do we call a machine that makes paper copies of what is on the screen?
(A) Printer (B) Scanner (C) Monitor (D) Mouse
- Q34. Which key is used to delete the letter to the LEFT of the cursor?
(A) Shift (B) Backspace (C) Enter (D) Caps Lock
- Q35. What must we do when we finish using a computer?
(A) Pull all the wires (B) Throw it away
(C) Switch it off properly (D) Leave it in the rain
- Q36. Which of these files is most likely a picture?
(A) notes.txt (B) movie.mp4 (C) photo.jpg (D) song.mp3
- Q37. Which part of the computer has letters and numbers on it?
(A) Keyboard (B) Monitor (C) Speaker (D) CPU

Q38. What does WWW stand for?

- (A) World Wired Web (B) Wide World Web
(C) World Wide Web (D) Web World Wide

Q39. What do we call the small pictures we click on the screen?

- (A) Seeds (B) Icons (C) Bricks (D) Stones

Q40. Which part of a computer carries out calculations?

- (A) The keyboard (B) The printer (C) The CPU (D) The monitor

AI, Robotics and Information Technology

5 questions · 1 mark each · 5 marks

Q41. What does a printer need in order to print?

- (A) Water and soap (B) Paper and ink or toner
(C) Petrol (D) Sand

Q42. Which of these is a search engine?

- (A) Word (B) Excel (C) Paint (D) Google

Q43. What is a QR code used for?

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

Q44. Which of these is used to store and carry files between computers?

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

Q45. Which of these lets you talk to someone far away using the internet?

- (A) A video call (B) A keyboard (C) A scanner (D) A printer

Achievers Section

5 questions · 3 marks each · 15 marks

Q46. Two identical glasses hold water at 10°C and at 80°C. In which glass will a sugar cube dissolve faster?

- (A) The glass at 80°C (B) The glass at 10°C
(C) Neither will dissolve (D) Both at the same speed

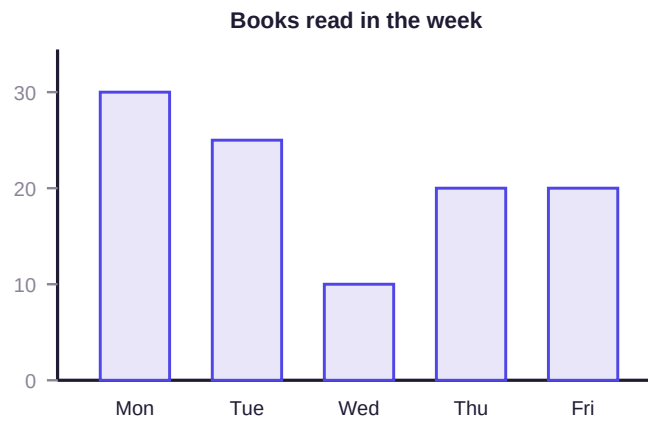
Q47. A river rises in the Himalayas, flows east across northern India and forms the world's largest delta before reaching the Bay of Bengal. Which river is it?

- (A) The Godavari (B) The Krishna (C) The Ganga (D) The Narmada

Q48. 10 taps together fill a tank in 15 minutes. How long will 2 taps of the same kind take to fill it?

- (A) 78 minutes (B) 75 minutes (C) 72 minutes (D) 15 minutes

Q49. The bar graph shows the number of books read by a class on each day of one week. How many books were read in the whole week?



- (A) 110 (B) 115 (C) 100 (D) 105

Q50. The clock in the figure shows 6:30. What is the angle between the hour hand and the minute hand?



- (A) 15° (B) 0° (C) 30° (D) 45°

Answer Key

1	2	3	4	5	6	7	8	9	10
C	B	A	C	C	D	A	C	D	A
11	12	13	14	15	16	17	18	19	20
B	B	D	D	A	C	D	A	A	B
21	22	23	24	25	26	27	28	29	30
D	B	A	A	D	D	B	C	D	D
31	32	33	34	35	36	37	38	39	40
B	B	A	B	C	C	A	C	B	C
41	42	43	44	45	46	47	48	49	50
B	D	B	D	A	A	C	B	D	A

Solutions

- Q1. (C) Seat 1 = A, seat 3 = C, seat 5 = D. B must be between A and C, so B takes seat 2, and the only friend left for seat 4 is E.
- Q2. (B) Every other number is a multiple of 9. 93 is not.
- Q3. (A) Each number is 3 more than the one before it, so the next is $30 + 3 = 33$.
- Q4. (C) $19 + 11 - 4 = 26$. The 4 who play both were counted twice, so they are subtracted once.
- Q5. (C) Counting lines of symmetry: regular hexagon has 6, regular pentagon has 5, square has 4, rectangle has 2. The answer is figure (C).
- Q6. (D) Mango, Banana, Apple are all fruits; Carrot is not.
- Q7. (A) Position from the right = total - position from the left + 1 = $21 - 15 + 1 = 7$ th.
- Q8. (C) The gaps grow by one each time (+2, +3, +4, +5), so after N the next letter is S.
- Q9. (D) Rahul's paternal grandfather's only son is Rahul's own father, so that man's son is Rahul's own sibling. The answer is Brother.
- Q10. (A) Subtracting 3 from 30 gives 27.
- Q11. (B) Clean hands keep the keyboard and mouse clean. The answer is Wash them.
- Q12. (B) CPU stands for Central Processing Unit.
- Q13. (D) The blinking line where text appears is the cursor.
- Q14. (D) A word processor is designed for typing and formatting text.
- Q15. (A) The spacebar is the longest key on the keyboard.
- Q16. (C) Hardware is a physical part, like a printer.
- Q17. (D) Speakers let us hear sound from the computer.
- Q18. (A) The mouse moves the pointer on the screen and is used to click.
- Q19. (A) A tablet is a small computer.
- Q20. (B) Ctrl + A selects all.
- Q21. (D) Always check the power connection first. The answer is Whether it is plugged in and switched on.
- Q22. (B) Every email address has an @ between the user name and the domain. The answer is An email address.
- Q23. (A) A calculator does sums quickly. The answer is Do sums quickly.
- Q24. (A) A hard disk stores data.
- Q25. (D) A simple mouse has a left and a right button. The answer is Two.
- Q26. (D) Software is the set of instructions; hardware is the physical machine. The answer is A set of programs that tell the computer what to do.
- Q27. (B) We hear sound through the speakers.
- Q28. (C) A password must be kept secret, or anyone can use your account. The answer is Keep it secret.
- Q29. (D) Small pictures that open programs are called icons.
- Q30. (D) Python is a programming language; the others are programs or an operating system.
- Q31. (B) A computer needs electricity to work. The answer is No.
- Q32. (B) Email carries written messages over the internet. The answer is Sending messages over the internet.
- Q33. (A) A printer puts what is on the screen onto paper.
- Q34. (B) Backspace removes the character to the left; the Delete key removes the one to the right.
- Q35. (C) We should switch the computer off properly when we finish. The answer is Switch it off properly.
- Q36. (C) A .jpg file is an image; .txt is text, .mp3 is audio and .mp4 is video. The answer is photo.jpg.
- Q37. (A) The keyboard has keys with letters and numbers.
- Q38. (C) WWW stands for World Wide Web.
- Q39. (B) Small clickable pictures are called icons.
- Q40. (C) The CPU performs the calculations and processing.

Q41. (B) A printer needs paper and ink or toner.

Q42. (D) A search engine such as Google finds pages on the web.

Q43. (B) A QR code holds information that a camera can read instantly. The answer is To store information a camera can read quickly.

Q44. (D) A pen drive is a small portable storage device.

Q45. (A) A video call carries picture and sound over the internet.

Q46. (A) Substances dissolve faster in hotter water because its particles move faster. The answer is The glass at 80°C.

Q47. (C) The Ganga flows east and forms the Sundarbans delta at the Bay of Bengal.

Q48. (B) One tap alone would take $10 \times 15 = 150$ minutes. With 2 taps the time is $150 / 2 = 75$ minutes.

Q49. (D) $30 + 25 + 10 + 20 + 20 = 105$ books.

Q50. (A) The minute hand is at 180° from 12 and the hour hand at 195° from 12, so the angle between them is 15° .

Free practice paper from syllabax.com · more free sample papers for Classes 1–10 at syllabax.com/olympiad · not affiliated with SOF or any official olympiad body.