

Class 3 · Computer Science Olympiad

Total questions 35	Total marks 40	Time 60 minutes	Negative marking None
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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

5 questions · 1 mark each · 5 marks

Q1. Find the odd one out: 27, 42, 54, 63, 90

- (A) 54 (B) 27 (C) 42 (D) 90

Q2. Find the next number in the pattern: 9, 13, 17, 21, ____

- (A) 21 (B) 26 (C) 25 (D) 29

Q3. Look at the pattern: star, circle, star, circle, star, ____ . Which shape comes next?

- (A) hexagon (B) oval (C) circle (D) star

Q4. If today is Monday, what day is the day after today?

- (A) Friday (B) Tuesday (C) Wednesday (D) Thursday

Q5. In the first row the numbers are 4, 4 and 10. In the second row they are 6, 6 and 14. In the third row they are 2, 5 and ____ . The same rule applies to every row.

- (A) 8 (B) 9 (C) 10 (D) 11

Computer Science

20 questions · 1 mark each · 20 marks

Q6. What does "www" appear in?

- (A) A website address (B) A file size
(C) A phone number (D) A password

Q7. Which device is used to point and click on the screen?

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

Q8. Which key do we press to start a new line while typing?

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

Q9. What should we do with dirty hands before using a computer?

- (A) Rub them on the keyboard (B) Nothing
(C) Touch the screen anyway (D) Wash them

Q10. What do we call a set of keys pressed together to do something quickly?

- (A) A password (B) A folder
(C) A keyboard shortcut (D) A driver

- Q11. Which key is used to make a space between two words?
(A) Shift (B) Spacebar (C) Delete (D) Enter
- Q12. What do we use to listen to sound from a computer?
(A) Speakers (B) Printer (C) Keyboard (D) Mouse
- Q13. Where do we usually keep a desktop computer?
(A) Under the rain (B) On a table
(C) In a bucket of water (D) Inside a fridge
- Q14. Which of these is used to switch a computer on?
(A) The spacebar (B) The mouse wheel
(C) The power button (D) The screen
- Q15. Which program would you use to type and format a letter?
(A) A paint program (B) A word processor
(C) A web browser (D) A spreadsheet
- Q16. What do we call the pictures on a computer screen that we click to open programs?
(A) Icons (B) Keys (C) Cables (D) Pages
- Q17. Which of these is a computer part?
(A) Pillow (B) Mouse (C) Spoon (D) Shoe
- Q18. What does a folder do?
(A) It prints files (B) It deletes files
(C) It types files (D) It holds files together in one place
- Q19. What is the brain of the computer called?
(A) Keyboard (B) CPU (C) Printer (D) Monitor
- Q20. Which of these can a computer NOT do by itself?
(A) Feel happy or sad (B) Play music
(C) Show pictures (D) Add numbers
- Q21. Which of these can a computer help us do?
(A) Draw a picture (B) Wash clothes
(C) Water the garden (D) Cook rice
- Q22. What does the Delete key do?
(A) It prints the page (B) It removes the selected item or the next character
(C) It closes the computer (D) It saves the file
- Q23. Which key makes letters appear in CAPITAL letters while it is switched on?
(A) Tab (B) Caps Lock (C) Esc (D) Alt

Q24. Which of these should you NOT do with a computer?

- (A) Pour water on it (B) Keep it clean
(C) Switch it off properly (D) Use it carefully

Q25. What do we call the small pictures we click on the screen?

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

Information Technology

5 questions · 1 mark each · 5 marks

Q26. Which of these keeps time and can ring an alarm?

- (A) A clock (B) A brush (C) A cup (D) A mat

Q27. Which of these is an example of a robot helping at home?

- (A) A robot vacuum cleaning the floor (B) A bucket of water
(C) A broom leaning on a wall (D) A wooden chair

Q28. What does a scanner do?

- (A) It plays sound (B) It prints a page
(C) It copies a printed page into the computer (D) It charges the battery

Q29. Who should you ask before using the internet at home?

- (A) A pet (B) Nobody
(C) A stranger (D) A parent or elder

Q30. Which device stores photos taken on a phone?

- (A) The phone's charger (B) The phone's memory
(C) The phone's speaker (D) The phone's screen

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. Using each of the digits 4, 0, 8, 9 exactly once, what is the smallest 4-digit number that can be formed?

- (A) 4089 (B) 0489 (C) 4098 (D) 9840

Q32. 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) 95 (B) 90 (C) 100 (D) 85

Q33. There are 9 boxes with 11 samosas in each box. If 29 samosas are eaten, how many are left?

- (A) 67 (B) 70 (C) 73 (D) 99

Q34. A country's flag has saffron on top, white in the middle with a blue wheel, and green at the bottom. Which country is it?

- (A) Ireland (B) India (C) Niger (D) Italy

Q35. $165 + \underline{\quad} = 189$

- (A) 189 (B) 24 (C) 34 (D) 14

Answer Key

1	2	3	4	5	6	7	8	9	10
C	C	C	B	B	A	C	B	D	C
11	12	13	14	15	16	17	18	19	20
B	A	B	C	B	A	B	D	B	A
21	22	23	24	25	26	27	28	29	30
A	B	B	A	B	A	A	C	D	B
31	32	33	34	35					
A	B	B	B	B					

Solutions

Q1. (C) Every other number is a multiple of 9. 42 is not.

Q2. (C) Each number is 4 more than the one before it, so the next is $21 + 4 = 25$.

Q3. (C) The pattern repeats star then circle over and over, so after star comes circle.

Q4. (B) Counting 1 day(s) on from Monday gives Tuesday.

Q5. (B) The rule is: add the two numbers, then add 2. Check: 4, 4 gives 10 and 6, 6 gives 14; so 2, 5 gives 9.

Q6. (A) Many website addresses begin with www. The answer is A website address.

Q7. (C) The mouse moves the pointer on the screen and is used to click.

- Q8. (B) The Enter key moves the cursor to a new line.
- Q9. (D) Clean hands keep the keyboard and mouse clean. The answer is Wash them.
- Q10. (C) Keys pressed together, like Ctrl + S, are a keyboard shortcut.
- Q11. (B) The spacebar is the long key at the bottom that inserts a space.
- Q12. (A) Speakers let us hear sound from the computer.
- Q13. (B) A computer is kept on a table in a dry place.
- Q14. (C) The power button switches the computer on and off.
- Q15. (B) A word processor is designed for typing and formatting text.
- Q16. (A) Small pictures that open programs are called icons.
- Q17. (B) A mouse is a part of a computer.
- Q18. (D) Folders group related files together. The answer is It holds files together in one place.
- Q19. (B) The Central Processing Unit (CPU) carries out the instructions, so it is called the brain of the computer.
- Q20. (A) A computer follows instructions; it does not have feelings. The answer is Feel happy or sad.
- Q21. (A) We can draw pictures on a computer using a paint program. The answer is Draw a picture.
- Q22. (B) Delete removes the selection, or the character to the right of the cursor. The answer is It removes the selected item or the next character.
- Q23. (B) Caps Lock keeps typing in capitals until it is switched off.
- Q24. (A) Water damages a computer; it must be kept dry. The answer is Pour water on it.
- Q25. (B) Small clickable pictures are called icons.
- Q26. (A) A clock keeps time and can ring an alarm.
- Q27. (A) A robot vacuum is a simple home robot. The answer is A robot vacuum cleaning the floor.
- Q28. (C) A scanner turns a paper document into a digital image, so it is an input device. The answer is It copies a printed page into the computer.
- Q29. (D) Always ask a parent or elder before going online.
- Q30. (B) Photos are saved in the phone's memory or storage.
- Q31. (A) A 4-digit number cannot begin with 0, so the smallest possible first digit is 4. The remaining digits are then placed in increasing order: 4089.
- Q32. (B) $15 + 15 + 30 + 25 + 5 = 90$ books.
- Q33. (B) $9 \times 11 = 99$ samosas in all, and $99 - 29 = 70$ are left.
- Q34. (B) That describes the Indian tricolour with the Ashoka Chakra in the white band.
- Q35. (B) The missing number is $189 - 165 = 24$.

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