STUDENT COPY · SET B

Class 8 · 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.
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Logical Reasoning

10 questions · 1 mark each · 10 marks

Q1. Which letter comes next? B, D, G, K, ___

(A) N (B) P (C) O (D) Q

Q2. Read the statements and choose the conclusion that MUST be true.
Every student in the class has a pencil. Rahul is a student in the class.

(A) Some students have no pencil. (B) Rahul has a pencil.

(C) Rahul has no pencil. (D) Only Rahul has a pencil.

Q3. All but one of these numbers are multiples of the same number. Find the one that is not: 16, 24, 32, 38, 44

(A) 32 (B) 24 (C) 44 (D) 38

Q4. A father is 34 years older than his son. The son is 10 years old now. How old will the father be after 3 years?

(A) 50 years (B) 47 years (C) 44 years (D) 48 years

Q5. Three of the following four are alike and form a group. Which one does NOT belong?

(A) Ganga (B) Sahara (C) Yamuna (D) Godavari

Q6. In a queue, Nita is 12th from the front and 12th from the back. How many people are in the queue altogether?

(A) 25 (B) 23 (C) 22 (D) 24

Q7. Which letter comes next? L, N, P, R, ___

(A) U (B) S (C) T (D) V

Q8. In a certain code TIN is written as UJO. How is CAT written in that code?

(A) BZS (B) ECV (C) UBD (D) DBU

Q9. Which word would come FIRST in a dictionary?

(A) mother (B) matter (C) maple (D) monkey

Q10. If the 10th of a month is a Tuesday, what day of the week is the 21st of the same month?

(A) Friday (B) Sunday (C) Monday (D) Saturday

Computer Science

30 questions · 1 mark each · 30 marks

Q11. Which program is best for adding up a column of numbers automatically?

(A) A word processor (B) A music player

(C) A paint program (D) A spreadsheet

Q12. Which decimal number has the same value as binary 1101?

(A) 13 (B) 12 (C) 11 (D) 14

Q13. What is the shortcut normally used to paste copied text?

(A) Ctrl + Z (B) Ctrl + C (C) Ctrl + S (D) Ctrl + V

Q14. In Excel, A1 has 5 and A2 has 2. What value appears for the formula =A1+A2*3?

(A) 21 (B) 30 (C) 17 (D) 11

Q15. What is the binary number 101 in decimal?

(A) 3 (B) 6 (C) 9 (D) 5

Q16. Which binary number equals decimal 13?

(A) 1001 (B) 1101 (C) 1011 (D) 1110

Q17. What is the shortcut normally used to copy selected text?

(A) Ctrl + X (B) Ctrl + V (C) Ctrl + P (D) Ctrl + C

Q18. An algorithm starts with x = 2. It repeats 3 times: x = x + 2. What is the final value of x?

(A) 5 (B) 10 (C) 6 (D) 8

Q19. In a worksheet, A1 has 8 and A2 has 7. Which formula in A3 will show 15?

(A) =A1:A2 (B) =SUM(A1-A2) (C) A1+A2 (D) =A1+A2

Q20. What does a folder do?

(A) It types files (B) It prints files

(C) It holds files together in one place (D) It deletes files

Q21. What is $101_2 + 11_2$?

(A) 110_2 (B) 1011_2

(C) 111_2 (D) 1000_2

Q22. In a flowchart, which shape is used for a decision?

(A) A diamond (B) A circle (C) A rectangle (D) An oval

Q23. Which HTML fragment correctly nests a bold word inside a paragraph?

(A) This is hot (B) This is hot

(C) This is hot (D) This is hot

Q24. Which of these files is most likely a picture?

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

Q25. In a simple program, a = 4; b = a; a = 9. What is the value of b now?

(A) 13 (B) 9 (C) 4 (D) 0

Q26. What does WWW stand for?

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

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

Q27. What is antivirus software for?

(A) To make the screen brighter (B) To type faster

(C) To find and remove harmful programs (D) To print in colour

Q28. A lab computer loses unsaved work when power fails, but saved files remain. Which part most directly lost the unsaved work?

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

Q29. In a spreadsheet, what usually appears at the start of a formula?

(A) A question mark (B) A hyphen

(C) A full stop (D) An equals sign

Q30. Which HTML line makes the word School open page.html when clicked?

(A) School (B) <link href="page.html">School</link>

(C) School (D) page.html

Q31. Which shortcut undoes the last action?

(A) Ctrl + Z (B) Ctrl + Y (C) Ctrl + A (D) Ctrl + B

Q32. What do we call a set of keys pressed together to do something quickly?

(A) A password (B) A keyboard shortcut

(C) A driver (D) A folder

Q33. Nisha double-clicks poem.txt and it opens in a text editor. Which OS feature helped choose the program?

(A) Device driver (B) File association

(C) Screen saver (D) Clipboard

Q34. Which of these is NOT an input device?

(A) Keyboard (B) Microphone (C) Monitor (D) Mouse

Q35. What does RAM stand for?

(A) Run All Memory (B) Read Any Memory

(C) Random Access Memory (D) Rapid Access Machine

Q36. Which of these keeps data even when the computer is switched off?

(A) RAM (B) Hard disk (C) Cache (D) Clipboard

Q37. Where do we often see "www"?

(A) A website address (B) A password

(C) A file size (D) A phone number

Q38. What is an algorithm?

(A) A kind of computer screen (B) A storage device

(C) A type of virus (D) A step-by-step method to solve a problem

Q39. Which of these is a storage device?

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

Q40. Which of these is a programming language?

(A) Python (B) Firefox (C) Windows (D) Notepad

AI, Robotics and Information Technology

5 questions · 1 mark each · 5 marks

Q41. Which of these is an example of a robot being useful in a factory?

(A) Assembling parts on a production line (B) Sleeping at night

(C) Dreaming about work (D) Eating lunch with workers

Q42. A computer program that answers questions in ordinary language is an example of:

(A) A printer driver (B) A screensaver

(C) A spreadsheet (D) Artificial Intelligence

Q43. You get an email asking for your password. What is the safest thing to do?

(A) Post it online (B) Ignore it and tell an adult

(C) Send it to a friend first (D) Reply with the password

Q44. What should you do if a stranger online asks for your home address?

(A) Post it publicly (B) Send it politely

(C) Share your school name instead (D) Refuse and tell a trusted adult

Q45. What is a QR code used for?

(A) To charge a phone (B) To cool the computer

(C) To store information a camera can read quickly (D) To print photos

Achievers Section

5 questions · 3 marks each · 15 marks

Q46. An email says Anuj has won a prize and asks for his password to claim it. What should Anuj do?

(A) Click the claim link (B) Delete or report the email

(C) Send the password quickly (D) Forward it to classmates

Q47. 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 makes the computer faster next time (D) It cleans the screen

Q48. In MS Paint, Aarav uses Fill inside a kite, but the colour spreads outside the kite. What is the best fix before filling again?

(A) Select the whole drawing first
(B) Draw over the gap in the outline
(C) Change to a lighter fill colour
(D) Zoom out from the picture

Q49. Ravi typed 'boook', and the cursor is just after the third 'o'. Which key removes that extra 'o' without deleting the 'k'?

(A) Delete
(B) Insert
(C) Tab
(D) Backspace

Q50. In MS Paint, Mira uses Fill with Colour on a wall, but colour spreads outside the wall. What should she do first?

(A) Use the eraser on the wall
(B) Make the brush size larger
(C) Close the gap in the outline
(D) Choose a darker colour

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