STUDENT COPY · SET B

Class 9 · 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. 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) E (B) D (C) B (D) C

Q2. Find the next number in the pattern: 5, 13, 29, 61, ___

(A) 122 (B) 125 (C) 123 (D) 128

Q3. If JAR is written as 10 - 1 - 18 using the positions of the letters in the alphabet, how is SUN written?

(A) 20 - 22 - 15 (B) 14 - 21 - 19 (C) 8 - 6 - 13 (D) 19 - 21 - 14

Q4. Read the statements and choose the conclusion that MUST be true.
All roses are flowers. All flowers need water.

(A) All roses need water. (B) Only roses need water.

(C) All flowers are roses. (D) Some roses do not need water.

Q5. If the 8th of a month is a Friday, what day of the week is the 21st of the same month?

(A) Friday (B) Saturday (C) Wednesday (D) Thursday

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

(A) Crow (B) Parrot (C) Sparrow (D) Cow

Q7. Which of these figures has exactly 3 lines of symmetry?



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

Q8. All but one of these numbers are multiples of the same number. Find the one that is not: 14, 15, 24, 27, 30

(A) 14 (B) 27 (C) 24 (D) 30

Q9. Nila walks 9 m north, then 7 m east, then 3 m south. Where is Nila now, relative to the starting point?

(A) 6 m north and 8 m east (B) 9 m north and 7 m east

(C) 6 m north and 7 m east (D) 7 m north and 7 m east

Q10. In a queue, Deep is 8th from the front and 11th from the back. How many people are in the queue altogether?

(A) 18 (B) 17 (C) 20 (D) 19

Computer Science

30 questions · 1 mark each · 30 marks

Q11. While moving a copied tree in Paint, Sona does not want its white background to cover the sun. Which option helps?

(A) Free-form selection (B) Select all

(C) Rectangular selection (D) Transparent selection

Q12. While editing a video, a 'low memory' message appears, but saved files remain after restart. Which part was most likely short during use?

(A) Hard disk (B) Monitor (C) RAM (D) ROM

Q13. In one folder, Riya saves a file as marks.xlsx. Later she saves another file with the same name there. What will the system normally ask?

(A) Replace the existing file (B) Move both files to Bin

(C) Create the same name again (D) Make the folder hidden

Q14. What should you do with a password?

(A) Keep it secret (B) Tell your whole class

(C) Write it on the desk (D) Use your name as password

Q15. Nila wants each heading to have the same font, size and colour as the first heading, without setting all options again. Which tool should she use?

(A) Find and Replace (B) Format Painter

(C) Thesaurus (D) WordArt

Q16. What is an algorithm?

(A) A step-by-step method to solve a problem (B) A kind of computer screen

(C) A storage device (D) A type of virus

Q17. Where do we often see "www"?

(A) A file size (B) A password

(C) A phone number (D) A website address

Q18. Which password is strongest for a school email account?

(A) aarav2009 (B) schoolname (C) password123 (D) Mango#47Rain

Q19. Which of these is a web browser?

(A) Firefox (B) Linux (C) Windows (D) Android

Q20. Which decimal number has the same value as binary 10110?

(A) 20 (B) 21 (C) 26 (D) 22

Q21. An email says your account will close unless you send your password today. What is the safest action?

(A) Click the link and log in (B) Send the password quickly

(C) Forward it to classmates (D) Do not reply; report it

Q22. Which program would you use to type and format a letter?

(A) A paint program (B) A web browser

(C) A word processor (D) A spreadsheet

Q23. Which of these files is most likely a song?

(A) page.html (B) song.mp3 (C) photo.jpg (D) notes.txt

Q24. Meera has a hand-drawn map on paper and wants to insert it into a document without redrawing it. Which device should she use first?

(A) Printer (B) Projector (C) Scanner (D) Speaker

Q25. Which of these is a storage device?

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

Q26. A teacher emails parents, but each parent should not see the other email addresses. Which field should contain the parent addresses?

(A) Cc (B) Subject (C) To (D) Bcc

Q27. What is the shortcut normally used to paste copied text?

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

Q28. In Excel, A2=5 and A3=7. B2 has =A2*2 and is copied to B3. What value appears in B3?

(A) 10 (B) 14 (C) 12 (D) 7

Q29. Priya wants to drag slide 8 before slide 3 by seeing many slide thumbnails at once. Which view is best?

(A) Reading view (B) Notes Page view

(C) Slide Sorter view (D) Normal view

Q30. In programming, what does a variable do?

(A) It stores a value that can change (B) It prints the screen

(C) It deletes a file (D) It connects to wifi

Q31. Which line correctly makes only the word India bold in HTML?

(A) I love India. (B) I love India.

(C) I love India. (D) I love India.

Q32. An algorithm starts S=0. For N=1 to 4, it adds N to S each time. What is S when the loop ends?

(A) 6 (B) 15 (C) 4 (D) 10

Q33. How many bits make one byte?

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

Q34. What is a bug in a program?

(A) A type of cable (B) A kind of printer

(C) A small insect inside the computer (D) A mistake that makes it behave wrongly

Q35. Which is the largest unit of the four?

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

Q36. Which shortcut is normally used to save your work?

(A) Ctrl + N (B) Ctrl + S (C) Ctrl + P (D) Ctrl + O

Q37. Which shortcut undoes the last action?

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

Q38. What does RAM stand for?

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

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

Q39. What is the shortcut normally used to copy selected text?

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

Q40. In a flowchart, which shape is used for a decision?

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

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) Refuse and tell a trusted adult (B) Send it politely

(C) Share your school name instead (D) Post it publicly

Q42. What does "AI" stand for?

(A) Applied Information (B) Advanced Internet

(C) Artificial Intelligence (D) Automatic Input

Q43. Which device stores photos taken on a phone?

(A) The phone’s memory (B) The phone’s speaker

(C) The phone’s screen (D) The phone’s charger

Q44. Which of these is a search engine?

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

Q45. Which of these is an example of a robot helping at home?

(A) A bucket of water (B) A broom leaning on a wall

(C) A robot vacuum cleaning the floor (D) A wooden chair

Achievers Section

5 questions · 3 marks each · 15 marks

Q46. After a power cut, Kabir's unsaved paragraph vanished, but a saved photo was still there after restart. Which storage type kept the photo without power?

(A) Main memory
(B) Secondary storage
(C) Cache memory
(D) Processor register

Q47. While typing, the cursor is just before a wrong letter. Which key removes that wrong letter without moving the cursor to the other side?

(A) Delete key
(B) Caps Lock key
(C) Backspace key
(D) Enter key

Q48. In MS Paint, Arjun pastes a copied sun on a blue sky, but a white rectangle covers the sky around it. Which option should he choose before pasting?

(A) Transparent selection
(B) Invert colours
(C) Opaque selection
(D) Rectangular selection

Q49. A message says your email will close today and asks you to click a link and type your password. What is the safest response?

(A) Enter password to check
(B) Reply asking who sent it
(C) Close it and tell an adult
(D) Forward it to classmates

Q50. A program repeats "print star" 5 times inside a loop. How many stars appear?

(A) 1 (B) 10 (C) 0 (D) 5

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