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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. In a class, 17 students play cricket, 10 play football and 5 play both games. Every student plays at least one of the two. How many students are there in the class?

(A) 22 (B) 23 (C) 17 (D) 27

Q2. Which letter comes next? B, D, G, K, ___

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

Q3. If DOG is written as 4 - 15 - 7 using the positions of the letters in the alphabet, how is CAT written?

(A) 3 - 1 - 20 (B) 4 - 2 - 21 (C) 20 - 1 - 3 (D) 24 - 26 - 7

Q4. Find the next number in the pattern: 2, 5, 11, 23, ___

(A) 47 (B) 48 (C) 45 (D) 46

Q5. Pointing to a boy in a photograph, Anjali said, “This boy is not me, but he is the son of my paternal grandfather’s only son.” How is the boy related to Anjali?

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

Q6. Which word would come FIRST in a dictionary?

(A) mango (B) minute (C) monkey (D) melon

Q7. In a row of 29 children, Arjun is 20th from the left end. What is Arjun’s position from the right end?

(A) 10th (B) 11th (C) 12th (D) 9th

Q8. All but one of these numbers are multiples of the same number. Find the one that is not: 20, 26, 32, 36, 40

(A) 26 (B) 32 (C) 36 (D) 40

Q9. If the 12th of a month is a Monday, what day of the week is the 29th of the same month?

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

Q10. Which of these figures has exactly 6 lines of symmetry?



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

Computer Science

30 questions · 1 mark each · 30 marks

Q11. In a spreadsheet, what usually appears at the start of a formula?

(A) A full stop (B) A question mark

(C) A hyphen (D) An equals sign

Q12. What is a file extension such as .txt or .jpg used for?

(A) To print the file (B) To show what kind of file it is

(C) To lock the file (D) To make the file smaller

Q13. What is an email used for?

(A) Printing documents (B) Playing music only

(C) Sending messages over the internet (D) Charging the battery

Q14. Where do we use the @ symbol most often?

(A) A password only (B) A file name

(C) A phone number (D) An email address

Q15. What is the output of the instruction: print(2 + 3 * 4)?

(A) 9 (B) 24 (C) 20 (D) 14

Q16. What does WWW stand for?

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

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

Q17. What is antivirus software for?

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

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

Q18. In programming, what is a loop used for?

(A) To print a document (B) To stop the program

(C) To repeat a set of instructions (D) To delete a file

Q19. What does a modem or router mainly help you do?

(A) Connect to the internet (B) Print in colour

(C) Store photos (D) Cool the computer

Q20. Which of these keeps data even when the computer is switched off?

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

Q21. What does CPU stand for?

(A) Computer Printing Unit (B) Control Panel Unit

(C) Central Processing Unit (D) Central Program Utility

Q22. Which memory loses all its contents when the computer is switched off?

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

Q23. What does "debugging" mean?

(A) Printing the program (B) Finding and fixing errors in a program

(C) Deleting the program (D) Renaming the program

Q24. Which of these is the safest password?

(A) 123456 (B) myname

(C) password (D) Ra1n@Kolkata#27

Q25. Which shortcut selects everything in a document?

(A) Ctrl + Q (B) Ctrl + W (C) Ctrl + E (D) Ctrl + A

Q26. What is the binary number 101 in decimal?

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

Q27. Which shortcut is normally used to print?

(A) Ctrl + S (B) Ctrl + P (C) Ctrl + D (D) Ctrl + F

Q28. Which program is best for adding up a column of numbers automatically?

(A) A music player (B) A spreadsheet

(C) A word processor (D) A paint program

Q29. Which of these files is most likely a picture?

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

Q30. What will be printed? x = 5; x = x + 3; print(x)

(A) 5 (B) 53 (C) 3 (D) 8

Q31. Which of these is an example of hardware?

(A) An operating system (B) A song file

(C) A printer (D) A web page

Q32. Which number system does a computer use internally?

(A) Roman (B) Binary (C) Octal (D) Decimal

Q33. In a spreadsheet, where a row and a column meet is called a:

(A) Chart (B) Border (C) Cell (D) Sheet

Q34. Which of these is a programming language?

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

Q35. Which of these is NOT an input device?

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

Q36. Which of these is an operating system?

(A) Chrome (B) Excel (C) Linux (D) Photoshop

Q37. Which part of a computer carries out calculations?

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

Q38. What is a computer virus?

(A) A broken wire inside the computer (B) A germ that makes the user ill

(C) A harmful program that can damage files (D) A type of printer

Q39. Which of these makes a computer run slowly and can harm files?

(A) A shortcut (B) A wallpaper (C) A virus (D) A folder

Q40. What is software?

(A) The wires inside a computer (B) A set of programs that tell the computer what to do

(C) The physical parts of a computer (D) The screen of a computer

AI, Robotics and Information Technology

5 questions · 1 mark each · 5 marks

Q41. Which of these is an example of a smart device?

(A) A paper notebook (B) A pencil

(C) A wooden ruler (D) A fitness band that counts steps

Q42. What is a QR code used for?

(A) To print photos (B) To store information a camera can read quickly

(C) To cool the computer (D) To charge a phone

Q43. Which of these is used to store and carry files between computers?

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

Q44. Which of these is an example of using technology politely?

(A) Calling during an exam (B) Playing loud videos in class

(C) Silencing your phone in class (D) Recording people without asking

Q45. A machine that learns from examples rather than being told every rule is using:

(A) Printing (B) Word processing

(C) Machine learning (D) Scanning

Achievers Section

5 questions · 3 marks each · 15 marks

Q46. The binary number 1000 equals which decimal number?

(A) 4 (B) 8 (C) 16 (D) 1000

Q47. A website address begins with https:// instead of http://. What does the extra "s" mean?

(A) The site is in English (B) The site is faster

(C) The connection is secure and encrypted (D) The site is free

Q48. You select a word, press Ctrl + C, then press Ctrl + V twice. What happens?

(A) The text is deleted twice

(B) The text is cut then pasted

(C) The copied text is pasted two times

(D) Nothing happens the second time

Q49. Why is it safer to switch off a computer using the Shut Down option rather than pulling out the plug?

(A) It closes files properly so data is not lost

(B) It cleans the screen

(C) It makes the computer faster next time

(D) It saves electricity only

Q50. A file is 2 megabytes. Roughly how many kilobytes is that?

(A) About 200 KB

(B) About 2,000 KB

(C) About 2 KB

(D) About 20 KB

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