STUDENT COPY · SET A

Class 7 · 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. If JAR is written as 10 - 1 - 18 using the positions of the letters in the alphabet, how is BAG written?

(A) 25 - 26 - 20 (B) 2 - 1 - 7 (C) 7 - 1 - 2 (D) 3 - 2 - 8

Q2. Which of these figures has exactly 6 lines of symmetry?



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

Q3. 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) E (C) C (D) D

Q4. Which word would come FIRST in a dictionary?

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

Q5. In a class, 15 students play cricket, 21 play football and 8 play both games. Every student plays at least one of the two. How many students are there in the class?

(A) 28 (B) 36 (C) 29 (D) 20

Q6. Which one does NOT belong with the others?

(A) July (B) January (C) August (D) April

Q7. 10 : 100 :: 7 : ___

(A) 49 (B) 14 (C) 64 (D) 36

Q8. Pointing to a boy in a photograph, Meera said, “This boy is not me, but he is the son of my paternal grandfather’s only son.” How is the boy related to Meera?

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

Q9. In a certain code JAR is written as KBS. How is MAP written in that code?

(A) NBQ (B) LZO (C) QBN (D) OCR

Q10. Nila walks 6 m north, then 7 m east, then 2 m south. Where is Nila now, relative to the starting point?

(A) 4 m north and 8 m east (B) 4 m north and 7 m east

(C) 5 m north and 7 m east (D) 6 m north and 7 m east

Computer Science

30 questions · 1 mark each · 30 marks

Q11. Which of these is an example of hardware?

(A) A web page (B) A song file

(C) An operating system (D) A printer

Q12. In a flowchart, which shape is used for a decision?

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

Q13. Which of these makes a computer run slowly and can harm files?

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

Q14. Which memory loses all its contents when the computer is switched off?

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

Q15. What does the Delete key do?

(A) It saves the file (B) It removes the selected item or the next character

(C) It prints the page (D) It closes the computer

Q16. Which of these is a programming language?

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

Q17. Which part of a computer carries out calculations?

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

Q18. How many bits make one byte?

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

Q19. Which of these is NOT an input device?

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

Q20. In programming, what is a loop used for?

(A) To print a document (B) To delete a file

(C) To stop the program (D) To repeat a set of instructions

Q21. What is antivirus software for?

(A) To make the screen brighter
(B) To print in colour
(C) To type faster
(D) To find and remove harmful programs

Q22. Which number system does a computer use internally?

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

Q23. In a spreadsheet, where a row and a column meet is called a:

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

Q24. Which is the largest unit of the four?

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

Q25. Which of these files is most likely a picture?

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

Q26. What is the shortcut normally used to paste copied text?

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

Q27. Which shortcut is normally used to print?

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

Q28. What is the shortcut normally used to copy selected text?

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

Q29. What is the desktop on a computer?

(A) A wooden table
(B) A storage box
(C) The main screen you see after starting up
(D) A type of printer

Q30. What is software?

(A) The screen of a computer
(B) A set of programs that tell the computer what to do
(C) The wires inside a computer
(D) The physical parts of a computer

Q31. Which shortcut is normally used to save your work?

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

Q32. Which key makes letters appear in CAPITAL letters while it is switched on?

(A) Tab
(B) Caps Lock
(C) Esc
(D) Alt

Q33. 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

Q34. Which of these keeps data even when the computer is switched off?

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

Q35. What is an email used for?

(A) Charging the battery
(B) Playing music only
(C) Sending messages over the internet
(D) Printing documents

Q36. Which of these is the safest password?

(A) myname (B) Ra1n@Kolkata#27

(C) 123456 (D) password

Q37. Where do we often see "www"?

(A) A website address (B) A phone number

(C) A file size (D) A password

Q38. Which key is used to delete the letter to the LEFT of the cursor?

(A) Backspace (B) Shift (C) Caps Lock (D) Enter

Q39. What does a modem or router mainly help you do?

(A) Connect to the internet (B) Cool the computer

(C) Store photos (D) Print in colour

Q40. Which program would you use to type and format a letter?

(A) A word processor (B) A spreadsheet

(C) A web browser (D) A paint program

AI, Robotics and Information Technology

5 questions · 1 mark each · 5 marks

Q41. What is a QR code used for?

(A) To store information a camera can read quickly (B) To charge a phone

(C) To cool the computer (D) To print photos

Q42. Which of these is used to store and carry files between computers?

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

Q43. Which of these is an example of using technology politely?

(A) Silencing your phone in class (B) Recording people without asking

(C) Playing loud videos in class (D) Calling during an exam

Q44. Which of these is an example of a smart device?

(A) A wooden ruler (B) A fitness band that counts steps

(C) A paper notebook (D) A pencil

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

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

Achievers Section

5 questions · 3 marks each · 15 marks

Q46. A program repeats "print star" 5 times inside a loop. How many stars appear?

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

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

(A) The site is faster

(B) The connection is secure and encrypted

(C) The site is free

(D) The site is in English

Q48. The binary number 1000 equals which decimal number?

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

Q49. You select a word, press Ctrl + C, then press Ctrl + V twice. What happens?

(A) The text is cut then pasted

(B) The text is deleted twice

(C) Nothing happens the second time

(D) The copied text is pasted two times

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

(A) About 2,000 KB

(B) About 200 KB

(C) About 20 KB

(D) About 2 KB

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