Prepare for Computer Science Olympiad

Class VII

Workbook for SOF Computer Science Olympiad (ICSO) for Class VII.
Contains very important questions with their correct answers.
Written by a Computer Enthusiast.

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Information

This book contains important questions for the preparation for ICSO (International Computer Science Olympiad) exam conducted by SOF. This is not the official book of SOF but it contains utilized questions to practice. This book contains 107 questions with their proper answers.

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The contents of this book is written on my own knowledge. So, if there are errors, inform me by emailing me at
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This is the first version of the book which is written and published on 23rd October, 2025.

I hope you get some help and knowledge from this book.

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MCQ Questions

1. Which of the following is NOT an input device?
a) Keyboard
b) Mouse
c) Monitor
d) Scanner

2. Which of these is system software?
a) MS Word
b) Windows OS
c) Photoshop
d) Chrome

3. What does CPU stand for?
a) Central Program Unit
b) Central Processing Unit
c) Control Processing Unit
d) Central Peripheral Unit

4. Which of these is volatile memory?
a) ROM
b) Hard Disk
c) RAM
d) Flash Drive

5. Which of these is used to identify a device on the Internet?
a) URL
b) IP Address
c) Domain Name
d) Protocol

6. Which key combination is used to copy in Windows?
a) Ctrl + C
b) Ctrl + X
c) Ctrl + V
d) Ctrl + Z

7. What does HTTP stand for?
a) HyperText Transfer Protocol
b) High Transfer Text Protocol
c) Hyperlink Text Transfer Protocol
d) HyperText Transmission Protocol

8. Which one of the following is NOT an operating system?
a) Linux
b) Windows

c) Google
d) MacOS

9. Which of the following is an example of presentation software?
a) MS Word
b) MS Excel
c) MS PowerPoint
d) MS Paint

10. Which part of the computer is used to perform calculations?
a) CPU
b) RAM
c) Hard Disk
d) Keyboard

11. Which of the following is a type of malware?
a) Antivirus
b) Worm
c) Firewall
d) Backup

12. What is the shortcut to save a file in most software?
a) Ctrl + P
b) Ctrl + S
c) Ctrl + V
d) Ctrl + C

13. Which of the following storage devices is portable?
a) Hard Disk
b) SSD
c) Pen Drive
d) ROM

14. In a spreadsheet, which symbol is used to start a formula?
a) $
b) #
c) =
d) %

15. Which of these is an output device?
a) Keyboard
b) Monitor
c) Mouse
d) Scanner

16. Which of the following is an example of cloud storage?
a) Google Drive
b) Hard Disk
c) USB Drive
d) CD

17. Which of these languages is primarily used for web development?
a) C++
b) Python
c) HTML
d) Java

18. Which key combination is used to undo an action?
a) Ctrl + U
b) Ctrl + Z
c) Ctrl + Y
d) Ctrl + A

19. Which of the following is used to protect a network?
a) Firewall
b) Browser
c) Router
d) Modem

20. Which of the following is considered secondary memory?
a) RAM
b) ROM
c) Hard Disk
d) Cache

21. What is the full form of URL?
a) Uniform Resource Locator
b) Universal Resource Link
c) Uniform Reference Link
d) Uniform Resource Link

22. Which of these is a web browser?
a) Chrome
b) Windows
c) Android
d) Linux

23. Which of these is an example of open-source software?
a) Windows
b) Linux
c) Photoshop
d) MS Office

24. Which of the following is used for video conferencing?
a) Zoom
b) MS Word
c) Paint
d) Excel

25. Which of the following is used to write programs?
a) Compiler

b) OS
c) Browser
d) Antivirus

26. Which memory is permanent and non-volatile?
a) RAM
b) ROM
c) Cache
d) Registers

27. Which of the following is a type of computer network?
a) LAN
b) PAN
c) MAN
d) All of the above

28. Which device connects computers to the Internet?
a) Modem
b) Keyboard
c) Printer
d) Monitor

29. Which of these is NOT a spreadsheet function?
a) SUM
b) AVERAGE
c) DELETE
d) COUNT

30. What is phishing?
a) Catching fish
b) A type of malware
c) Attempt to steal personal information
d) Browser extension

31. Which of the following is used to send emails?
a) Gmail
b) MS Word
c) Excel
d) PowerPoint

32. Which of these is a search engine?
a) Google
b) Gmail
c) Facebook
d) LinkedIn

33. Which of these is a primary storage device?
a) Hard Disk
b) RAM

c) USB

d) CD

34. Which tag is used to create a hyperlink in HTML?

a) `<link>`

b) `<a>`

c) `<href>`

d) `<url>`

35. Which of these is an example of input and output device combined?

a) Keyboard

b) Monitor

c) Touchscreen

d) Mouse

36. Which of these is a programming language?

a) HTML

b) Python

c) Windows

d) Chrome

37. What is the maximum length of an IPv4 address in bits?

a) 32 bits

b) 64 bits

c) 128 bits

d) 16 bits

38. Which of these is used to protect against viruses?

a) Firewall

b) Antivirus

c) Modem

d) Router

39. Which of these is used to add a chart in MS Excel?

a) Insert → Chart

b) File → New

c) Home → Format

d) Data → Sort

40. Which of the following is NOT a type of computer memory?

a) Primary

b) Secondary

c) Tertiary

d) Optional

41. Which of the following is a type of cloud service?

a) SaaS

b) PaaS

c) IaaS

d) All of the above

42. Which of these is a social networking site?
a) Facebook
b) Gmail
c) Google Drive
d) Wikipedia

43. Which key is used to refresh a webpage?
a) F1
b) F5
c) F3
d) F7

44. Which of the following is a type of computer virus?
a) Trojan
b) Worm
c) Spyware
d) All of the above

45. Which of these is NOT a database software?
a) MySQL
b) Oracle
c) MS Access
d) MS Paint

46. What is the extension of a Word document in MS Word 2007?
a) .doc
b) .txt
c) .docx
d) .xls

47. Which of the following is used to create slides in PowerPoint?
a) Slide Layout
b) Slide Sorter
c) Slide Master
d) All of the above

48. Which of the following is used to find a file in Windows?
a) Search
b) Control Panel
c) Device Manager
d) Recycle Bin

49. Which of these is a component of the CPU?
a) ALU
b) CU
c) Registers
d) All of the above

50. What is the shortcut for bold text in MS Word?
a) Ctrl + I

b) Ctrl + U
c) Ctrl + B
d) Ctrl + L

51. Which of the following is NOT a valid IP address?
a) 192.168.1.1
b) 255.255.255.0
c) 300.0.0.1
d) 172.16.0.1

52. What does GUI stand for?
a) Graphical User Interface
b) General User Input
c) Graphics Uniform Interface
d) General Utility Interface

53. Which of these is NOT an e-mail protocol?
a) SMTP
b) POP3
c) FTP
d) IMAP

54. Which of the following is used to detect and remove malware?
a) Firewall
b) Antivirus
c) Backup
d) Cloud Storage

55. Which of the following is a type of optical storage?
a) CD
b) SSD
c) Hard Disk
d) RAM

56. Which of these is used for creating a table in HTML?
a) `<table>`
b) `<tr>`
c) `<td>`
d) All of the above

57. Which of the following is used to connect devices in a LAN?
a) Switch
b) Modem
c) Router
d) Hub

58. Which of these is a type of software license?
a) Freeware
b) Shareware

c) Open Source
d) All of the above

59. Which of the following is used to view internet web pages?
a) Browser
b) OS
c) Compiler
d) Firewall

60. Which of the following is used to format cells in Excel?
a) Home → Format
b) Insert → Table
c) Data → Sort
d) Review → Protect

61. Which of the following is a programming construct?
a) Loop
b) Condition
c) Function
d) All of the above

62. Which device is used to connect a computer to a wireless network?
a) Wi-Fi Adapter
b) Modem
c) Switch
d) Router

63. Which of these is NOT an Internet service?
a) Email
b) FTP
c) SMS
d) Cloud Storage

64. Which of the following is a Boolean data type value?
a) Yes
b) True
c) 1
d) None

65. Which of the following is used to protect the privacy of users online?
a) Firewall
b) Antivirus
c) Encryption
d) Browser

66. Which of these is an example of malware?
a) Virus
b) Worm
c) Trojan
d) All of the above

67. Which of these is NOT a presentation view in MS PowerPoint?
a) Slide Sorter
b) Slide Show
c) Normal
d) Page Layout

68. Which of these is used to make a cell active in Excel?
a) Clicking on it
b) Double-clicking the row
c) Clicking on column heading
d) Pressing Enter

69. Which of the following is an advantage of cloud computing?
a) Unlimited storage
b) Access from anywhere
c) Data backup
d) All of the above

70. Which of these is a type of computer network topology?
a) Star
b) Ring
c) Bus
d) All of the above

71. What is the extension of an Excel 2007 workbook?
a) .xls
b) .xlsx
c) .docx
d) .pptx

72. Which of the following is used for web page formatting?
a) HTML
b) CSS
c) JavaScript
d) All of the above

73. Which of the following is NOT an input device?
a) Joystick
b) Keyboard
c) Monitor
d) Microphone

74. What is the purpose of DNS?
a) Convert domain name to IP address
b) Manage emails
c) Protect from viruses
d) Store files

75. Which of these is a type of storage device?
a) RAM

b) Hard Disk
c) CPU
d) ALU

76. Which of these is NOT part of the CPU?
a) ALU
b) CU
c) RAM
d) Registers

77. Which of the following is used to format a paragraph in MS Word?
a) Home → Paragraph
b) Insert → Table
c) Review → Track Changes
d) View → Zoom

78. Which of the following is a valid HTML tag?
a) `<p>`
b) `<h1>`
c) `<div>`
d) All of the above

79. Which of these is NOT a type of computer language?
a) High-level
b) Low-level
c) Mid-level
d) Machine language

80. Which of these is used to close an application in Windows?
a) Alt + F4
b) Ctrl + C
c) Ctrl + V
d) Ctrl + Z

81. Which of the following is NOT true about cache memory?
a) It is faster than RAM
b) It is volatile
c) It stores frequently used data
d) It is permanent storage

82. Which of the following is a valid hexadecimal number?
a) 1G5
b) 3F7
c) 12A9G
d) 2H4

83. Which of the following IP addresses is private?
a) 192.168.1.1
b) 8.8.8.8

c) 172.217.10.14
d) 54.36.7.2

84. In MS Excel, what does the function `=IF(A1>10,"Yes","No")` do?
a) Adds 10 to A1
b) Checks if A1 is greater than 10 and returns Yes or No
c) Deletes the value in A1
d) Multiplies A1 by 10

85. Which of these sorting algorithms has the best average-case complexity?
a) Bubble Sort
b) Quick Sort
c) Selection Sort
d) Insertion Sort

86. Which of the following is true about asymmetric encryption?
a) Uses a single key for encryption and decryption
b) Uses a public key for encryption and private key for decryption
c) Is slower than symmetric encryption
d) Both b and c

87. In programming, which of the following is used to repeat a block of code?
a) Loop
b) Function
c) Variable
d) Condition

88. Which of these protocols is used for secure communication over the Internet?
a) HTTP
b) FTP
c) HTTPS
d) SMTP

89. Which of these statements is TRUE about ROM?
a) ROM can be written to repeatedly
b) ROM is non-volatile
c) ROM is slower than RAM
d) ROM is temporary memory

90. Which of the following represents binary number 1011 in decimal?
a) 11
b) 13
c) 10
d) 9

91. Which of these is a widely used version control system for programming?
a) Git
b) SVN
c) Mercurial
d) All of the above

92. Which of these is used to prevent SQL injection attacks?
a) Input validation
b) Encryption
c) Firewalls
d) Cloud storage

93. Which of the following is NOT a programming paradigm?
a) Procedural
b) Object-Oriented
c) Functional
d) Cloud-Based

94. In networking, which layer is responsible for routing?
a) Application Layer
b) Network Layer
c) Transport Layer
d) Data Link Layer

95. Which of these is NOT true about a flowchart?
a) It shows the sequence of steps
b) It uses symbols to represent processes
c) It is a programming language
d) It can help in debugging logic

96. Which of the following is an example of two-factor authentication?
a) Password only
b) Password + OTP
c) Fingerprint only
d) Security question only

97. Which of these is a strong password example?
a) password123
b) MyName2025
c) Xy!9vR#2bT
d) 123456

98. Which of these is NOT a cloud deployment model?
a) Public Cloud
b) Private Cloud
c) Hybrid Cloud
d) Local Cloud

99. Which of the following is TRUE about Big Data?
a) It refers to small datasets
b) It requires specialized storage and processing tools
c) It cannot be analyzed
d) It is only used for emails

100. Which of the following correctly defines the function of DNS?
a) Converts an IP address to a domain name
b) Converts a domain name to an IP address
c) Encrypts Internet traffic
d) Stores files online

101. In a relational database, which of the following ensures that no two rows have the same value in a column?
a) Primary Key
b) Foreign Key
c) Unique Constraint
d) Check Constraint

102. Which of these is TRUE about IPv6 compared to IPv4?
a) IPv6 uses 128-bit addresses
b) IPv6 supports more devices than IPv4
c) IPv6 has built-in security features
d) All of the above

103. In programming, what is recursion?
a) Repeating a loop multiple times
b) A function calling itself
c) Using multiple variables
d) Running multiple programs simultaneously

104. Which of the following is TRUE about blockchain?
a) It stores data in a centralized manner
b) Each block contains a hash of the previous block
c) It cannot be used for cryptocurrency
d) It allows modification of old blocks easily

105. In HTML5, which tag is used to embed a video?
a) `<video>`
b) `<media>`
c) `<source>`
d) `<embed>`

106. Which of the following is TRUE about machine learning?
a) It is a type of hardware
b) It allows computers to learn from data without explicit programming
c) It only works on text data
d) It requires no algorithms

107. Which of these is used to prevent data tampering in networks?
a) Firewall
b) Encryption
c) Modem
d) Browser

Answers

1. c) Monitor
2. b) Windows OS
3. b) Central Processing Unit
4. c) RAM
5. b) IP Address
6. a) Ctrl + C
7. a) HyperText Transfer Protocol
8. c) Google
9. c) MS PowerPoint
10. a) CPU
11. b) Worm
12. b) Ctrl + S
13. c) Pen Drive
14. c) =
15. b) Monitor
16. a) Google Drive
17. c) HTML
18. b) Ctrl + Z
19. a) Firewall
20. c) Hard Disk
21. a) Uniform Resource Locator
22. a) Chrome
23. b) Linux
24. a) Zoom
25. a) Compiler
26. b) ROM
27. d) All of the above
28. a) Modem
29. c) DELETE
30. c) Attempt to steal personal information
31. a) Gmail
32. a) Google
33. b) RAM
34. b) `<a>`
35. c) Touchscreen
36. b) Python
37. a) 32 bits
38. b) Antivirus
39. a) Insert → Chart
40. d) Optional
41. d) All of the above
42. a) Facebook
43. b) F5
44. d) All of the above
45. d) MS Paint
46. c) .docx

47. d) All of the above
48. a) Search
49. d) All of the above
50. c) Ctrl + B
51. c) 300.0.0.1
52. a) Graphical User Interface
53. c) FTP
54. b) Antivirus
55. a) CD
56. d) All of the above
57. a) Switch
58. d) All of the above
59. a) Browser
60. a) Home → Format
61. d) All of the above
62. a) Wi-Fi Adapter
63. c) SMS
64. b) True
65. c) Encryption
66. d) All of the above
67. d) Page Layout
68. a) Clicking on it
69. d) All of the above
70. d) All of the above
71. b) .xlsx
72. d) All of the above
73. c) Monitor
74. a) Convert domain name to IP address
75. b) Hard Disk
76. c) RAM
77. a) Home → Paragraph
78. d) All of the above
79. c) Mid-level
80. a) Alt + F4
81. d) It is permanent storage
82. b) 3F7
83. a) 192.168.1.1
84. b) Checks if A1 is greater than 10 and returns Yes or No
85. b) Quick Sort
86. d) Both b and c
87. a) Loop
88. c) HTTPS
89. b) ROM is non-volatile
90. a) 11
91. d) All of the above
92. a) Input validation
93. d) Cloud-Based
94. b) Network Layer
95. c) It is a programming language
96. b) Password + OTP

97. c) Xy!9vR#2bT
98. d) Local Cloud
99. b) It requires specialized storage and processing tools
100.   b) Converts a domain name to an IP address
101.   a) Primary Key
102.   d) All of the above
103.   b) A function calling itself
104.   b) Each block contains a hash of the previous block
105.   a) `<video>`
106.   b) It allows computers to learn from data without explicit programming
107.   b) Encryption

Thanks for reading my book.

I'm proud to know that you got some help and knowledge from this book.

END