International Cyber Olympiad

Sample Paper by **Cyber Olympiad Foundation**

Time: 60 Mins. | Class 9 | Max. Marks: 100

Enrollment No.: .... School Name:..

Instructions:-

- Total Questions - 50 (2 marks each). Use of electronic devices are not permitted.
- There will be negative marking (-1) for each incorrect answer or filling more than one circle for an answer. No marks will be awarded or deducted for unattempted questions.
- Rough work should be done in the space provided in the question paper.
- After completing the exam, hand over the **OMR sheet** to the invigilator.
- Read all the questions carefully before answering.

Q 1. **What is cybersecurity?**

(a) A type of computer virus

(b) The practice of protecting computer systems and data from theft or damage

(c) A computer network

(d) Integrated Technology

Q 2. **Which of the following is a common cybersecurity threat?**

(a) Keyboard   (b) Worm   (c) Monitor   (d) CPU

Q 3. **Which software is used for making presentations?**

(a) Ms PowerPoint   (b) Ms Outlook   (c) Ms Word   (d) Ms Paint

Q 4. **Which of the following is an online game?**

(a) Super Mario   (b) Tetris

(c) Pac-Man   (d) Call of Duty: MW II

Q 5. **Which of the following is not a live streaming platform?**

(a) Kick   (b) Twitch   (c) Rumble   (d) Flipkart

Q 6. **Which of the following is an example of a strong password?**

(a) 123456   b) Password123   (c) P@ssw0rd$ecure   (d) Your name

Q 7. **What is the purpose of cybersecurity awareness training?**

(a) To teach people how to become hackers

(b) To educate individuals and organizations about cybersecurity risks and best practices

(c) To create web pages

(d) To play games online

Q 8. **What is a CAPTCHA?**

(a) A type of computer virus

(b) A security feature that requires users to solve a puzzle to prove they are human

(c) A computer hardware

(d) A computer training course

Q 9. **_____ is a type of software designed to help the user's computer detect viruses and avoid them.**

(a) Malware   (b) Adware   (c) Antivirus   (d) Both (b) and (c)

Q 10. **Which one of the following is a type of antivirus program?**

(a) Quick heal   (b) Mcafee   (c) Kaspersky   (d) All of these

Q 11. **Which of the following refers to stealing one's idea or invention of others and use it for their own benefits?**

(a) Piracy   (b) Plagiarism   (c) Copyright   (d) All of these

Q 12. **Which of the following is not a peripheral device?**

(a) CPU   (b) Monitor   (c) Printer   (d) Mouse

Q 13. **Which of the following is a popular web browser?**

(a) Microsoft Office   (b) Google Chrome

(c) Adobe Creative Cloud   (d) All of these

Q 14. **Which key do you use to capitalize letters while typing?**

(a) Shift   (b) Ctrl   (c) Alt   (d) Tab

Q 15. **Which computer memory retains data even when the computer is off?**

(a) RAM   (b) CPU   (c) ROM   (d) Monitor

Q 16. **Which of the following software is used for creating and editing images?**

(a) Adobe Photoshop   (b) After Effects   (c) Ms Paint   (d) Adobe Cloud

Q 17. **What is the purpose of a firewall in cybersecurity?**

(a) To clean viruses from a computer   (b) To block unwanted websites

(c) To prevent unauthorized access to a network   (d) To increase internet speed

Q 18. **What is a VPN?**

(a) Virtual Personal Network   (b) Virtual Private Network

(c) Visual Personal Network   (d) Visual Private Network

Q 19. **What is ransomware?**

(a) A type of computer hardware

(b) Malware encrypting data and demanding a ransom for release

(c) A computer mouse

(d) A computer keyboard

Q 20. **What is "malware" short for?**

(a) Malicious software   (b) Management software

(c) Masterful software   (d) Monitoring software

Q 21. **Which of the following is an example of an unguided Transmission media?**

(a) Optical Fiber   (b) Microwave   (c) Coaxial Cable   (d) None

Q 22. **Which company developed the Windows?**

(a) Microsoft   (b) Samsung   (c) Mitsubishi   (d) Apple

Q 23. **_____ is an example of nonlinear data structure.**

(a) Stack   (b) Queue   (c) Sorting   (d) Tree

Q 24. In a stack, if a user tries to remove an element from empty stack it is called _____.

(a) Underflow

(b) Empty

(c) Overflow

(d) Garbage Collection

Q 25. What is the full form of "SSD"?

(a) Solid Secure Drive

(b) Solid Secure Disk

(c) Solid State Drive

(d) Solid State Disk

Q 26. _____ is the fastest super computer of the World.

(a) Param 8000

(b) Super 8000

(c) Frontier

(d) Fugaku

Q 27. Which of the following is an email client?

(a) Reddit

(b) Aol

(c) Bing

(d) DuckDuckGo

Q 28. Which of the following is a search engine?

(a) Reddit

(b) Aol

(c) ChatGPT

(d) DuckDuckGo

Q 29. MAC address is of _____ .

(a) 24 bits

(b) 36 bits

(c) 42 bits

(d) 48 bits

Q 30. Which of the following appears harmless but actually performs malicious functions such as deleting or damaging files.

(a) Worm

(b) Virus

(c) Tojan Horse

(d) Ransomware

Q 31. Name the protocol that is used to send emails:

(a) FTP

(b) TCP

(c) SMTP

(d) IP

Q 32. The topology in which all nodes are individually connected to a central connection point:

(a) Ring

(b) Star

(c) Bus

(d) Tree

Q 33. A computer that stores and shares data with other computers on a network is known as:

(a) Server

(b) Node

(c) Client

(d) Application

Q 34. The term IP in information technology stands for?

(a) Intellectual Promise

(b) Internet Provider

(c) Internet Protocol

(d) None of these

Q 35. DNS stands for:

(a) Dynamic Naming System   (b) Domain Naming System

(c) Decentralised Network Service   (d) Domain Name System

Q 36. What is the meaning of Bandwidth in Network?

(a) Transmission capacity of a communication channels

(b) Connected Computers in the Network

(c) Class of IP used in Network

(d) None of these

Q 37. Which of the following can be Software?

(a) Routers   (b) Firewalls   (c) Gateway   (d) Modems

Q 38. The loss in signal power as light travels down the fiber is called ....

(a) Attenuation   (b) Propagation   (c) Scatteing   (d) Refraction

Q 39. What does "HTTP" stand for in a website URL?

(a) Hyper Text Transfer Protocol   (b) High-End Text Transfer System

(c) Home Telephone Transfer Provider   (d) Help Text Transfer System

Q 40. Which of the following protocol is used for remote terminal connection service?

(a) UDP   (b) RARP   (c) FTP   (d) Telnet

Q 41. Which of the following is a type of independent malicious program that never required any host program?

(a) Tojan Horse   (b) Worm   (c) Ransomware   (d) Trap Door

Q 42. In order to ensure the security of the data/ information, we need to _____ the data:

(a) Delete   (b) Reset   (c) Decrypt   (d) Encrypt

Q 43. I allow the visited website to store its own information about a user on the user's computer. Who am I?

(a) Biscuit   (b) Cookie   (c) Adware   (d) Token

Q 44. Which of the following devices is not a networking device?

(a) Hub   (b) Switch   (c) Bridge   (d) None of these

Q 45. ARPANET stands for _____.

(a) Advanced Recheck Projects Agency Internet

(b) Advanced Recheck Projects Agency Network

(c) Advanced Research Projects Agency Network

(d) Advanced Research Projects Agency Internet

Q 46. In which of the following switching methods, the message is divided into small packets?

(a) Message Switching   (b) Packet Switching

(c) Circuit Switching   (d) Session Switching

Q 47. Name the transmission media best suitable for connecting to hilly areas.

(a) Microwave   (b) Twisted pair

(c) Co-axial cable   (d) Optical Fiber

Q 48. Which of the following is the latest version of Bluetooth?

(a) Bluetooth v5.0   (b) Bluetooth v6.0

(c) Bluetooth v7.0   (d) Bluetooth v8.0

Q 49. A part of the internet that is not accessible to users using popular search engines like Google, Bing etc is known as:

(a) Gray Web   (b) Deep Web

(c) Dark Web   (d) Galaxy Web

Q 50. Who is known as the father of computer security?

(a) William Shatner   (b) Bob Hyman

(c) August Kerchkoffs   (d) Wil Wheaton