Zed-King
GROUP OF INSTITUTIONS
ISO 9001: 2015 Certified

Chapter 9: Overview of Future skills & Cyber Security

Q1. IoT stands for?

A) Internet of Things
B) Internet of Technology
C) Internal of Things
D) Interconnection of Things
Answer: A) Internet of Things

Q2. Analysis of very large and complex data sets to find patterns is called?

A) Big Data Analytics
B) Small Data Processing
C) Data Entry
D) Data Deletion
Answer: A) Big Data Analytics

Q3. Storing and accessing data/programs over the internet instead of a local hard drive is called?

A) Cloud Computing
B) Local Computing
C) Edge Storage
D) Data Mining
Answer: A) Cloud Computing

Q4. A simulated, computer-generated environment that a user can interact with is called?

A) Virtual Reality
B) Augmented Reality only
C) Real Environment
D) Physical Reality
Answer: A) Virtual Reality

Q5. The simulation of human intelligence by machines is called?

A) Artificial Intelligence
B) Human Intelligence
C) Cloud Intelligence
D) Data Intelligence
Answer: A) Artificial Intelligence

Q6. A decentralized, secure digital ledger technology used in cryptocurrencies is called?

A) Blockchain Technology
B) Cloud Computing
C) Big Data
D) IoT
Answer: A) Blockchain Technology

Q7. Creating three-dimensional objects layer by layer from a digital file is called?

A) 3D Printing/Additive Manufacturing
B) Cloud Computing
C) Big Data Analytics
D) IoT
Answer: A) 3D Printing/Additive Manufacturing

Q8. Automating repetitive, rule-based tasks using software robots is called?

A) Robotics Process Automation (RPA)
B) Cloud Computing
C) Virtual Reality
D) Blockchain
Answer: A) Robotics Process Automation (RPA)

Q9. Which of the following is an application/example of Artificial Intelligence?

A) Voice assistants like Siri/Alexa
B) A basic calculator
C) A typewriter
D) A landline phone
Answer: A) Voice assistants like Siri/Alexa

Q10. Which of the following is considered a subset of Artificial Intelligence?

ZED-KING INSTITUTE

A) Machine Learning
B) Cloud Storage
C) 3D Printing
D) QR Code
Answer: A) Machine Learning

Q11. Connecting everyday physical devices (like fridge, AC) to the internet for smart control is an example of?

A) Internet of Things (IoT)
B) Blockchain
C) Virtual Reality
D) Big Data
Answer: A) Internet of Things (IoT)

Q12. Which of the following is an advantage of Artificial Intelligence?

A) Reduces human error and increases efficiency
B) Always replaces human jobs completely with no benefits
C) Cannot process large data
D) Cannot be used in healthcare
Answer: A) Reduces human error and increases efficiency

Q13. Which of the following best defines "Machine Learning"?

A) A subset of AI where systems learn from data to improve performance without explicit programming
B) A type of hardware
C) A type of printer
D) A type of network cable
Answer: A) A subset of AI where systems learn from data to improve performance without explicit programming

Q14. Which of the following technology overlays digital information onto the real world (e.g. Pokemon Go)?

A) Augmented Reality (AR)
B) Virtual Reality (VR)
C) Cloud Computing
D) Blockchain
Answer: A) Augmented Reality (AR)

Q15. Which of the following is an example of Cloud Computing service?

A) Google Drive
B) MS Paint
C) Notepad
D) Local Hard Disk
Answer: A) Google Drive

Q16. Which of the following is a key characteristic of Big Data?

A) Volume, Velocity and Variety of data
B) Small size and simple structure
C) Only text data
D) Only numeric data
Answer: A) Volume, Velocity and Variety of data

Q17. Which of the following is a disadvantage/concern associated with Artificial Intelligence?

A) Potential job displacement and ethical concerns
B) Always increases employment with no downsides
C) Has zero cost to implement
D) Requires no data at all
Answer: A) Potential job displacement and ethical concerns

Q18. Which of the following describes "Ethics of Artificial Intelligence"?

A) Principles guiding the responsible and fair development/use of AI
B) The hardware components of AI systems
C) The programming language used for AI
D) The cost of AI systems
Answer: A) Principles guiding the responsible and fair development/use of AI

Q19. Which of the following is a common myth about Artificial Intelligence?

A) AI will completely replace all human jobs and think exactly like humans
B) AI can process large datasets
C) AI is used in voice assistants
D) AI is a subset of computer science
Answer: A) AI will completely replace all human jobs and think exactly like humans

Q20. Which of the following sector commonly benefits from AI-based diagnosis and treatment recommendations?

A) Healthcare
B) None, AI has no use in healthcare
C) Only agriculture
D) Only sports
Answer: A) Healthcare

ZEEKING INSTITUTE

Q21. Which of the following is an example of a smart wearable device using IoT technology?

A) Smartwatch tracking heart rate

B) A basic wall clock

C) A landline phone

D) A typewriter

Answer: A) Smartwatch tracking heart rate

Q22. Which of the following technology is primarily used to ensure secure, tamper-proof transaction records in cryptocurrency systems?

A) Blockchain

B) Cloud Computing

C) Virtual Reality

D) 3D Printing

Answer: A) Blockchain

Q23. Which of the following is a benefit of Cloud Computing?

A) Access to data/applications from anywhere with internet, without needing local storage

B) Requires no internet connection at all

C) Data can only be accessed from one specific device

D) Increases local hardware cost significantly

Answer: A) Access to data/applications from anywhere with internet, without needing local storage

Q24. Which of the following industries commonly uses 3D printing/additive manufacturing?

A) Manufacturing and healthcare (e.g., prosthetics)

B) Only cooking

C) Only gardening

D) Only music

Answer: A) Manufacturing and healthcare (e.g., prosthetics)

Q25. Which of the following describes "Types of Artificial Intelligence" based on capability?

A) Narrow AI, General AI, and Super AI

B) Only Narrow AI exists

C) Only hardware-based AI

D) Only software-free AI

Answer: A) Narrow AI, General AI, and Super AI

Q26. Which of the following is an example of "Narrow AI" (AI designed for a specific task)?

A) A voice assistant like Siri that performs specific tasks

B) A hypothetical AI with full human-level general intelligence

C) A basic calculator

D) A typewriter

Answer: A) A voice assistant like Siri that performs specific tasks

Q27. Which of the following describes the "Future Impact of AI" in different sectors as covered in the syllabus?

A) AI is expected to transform sectors like healthcare, education, agriculture and industry

B) AI has no future impact on any sector

C) AI only affects the IT sector

D) AI cannot be used outside factories

Answer: A) AI is expected to transform sectors like healthcare, education, agriculture and industry

Q28. Which of the following best defines "Social & Mobile" as a future skill area?

A) Growth of social networking and mobile technology influencing communication and business

B) A type of hardware component

C) A type of printer

D) A type of storage device

Answer: A) Growth of social networking and mobile technology influencing communication and business

Q29. Which of the following is a real-world application of Big Data Analytics?

A) Analyzing customer buying patterns for businesses

B) Printing a single document

C) Formatting a hard disk

D) Typing an email

Answer: A) Analyzing customer buying patterns for businesses

Q30. Which of the following is a benefit of Robotics Process Automation (RPA)?

A) Automating repetitive tasks to save time and reduce errors

B) Making tasks more manual

C) Increasing paperwork

D) Slowing down business processes

ZED-KING INSTITUTE

Answer: A) Automating repetitive tasks to save time and reduce errors

Q31. Which of the following is generally considered a "goal" of Artificial Intelligence?

A) To create systems that can reason, learn and solve problems like humans

B) To eliminate the need for computers entirely

C) To only replace hardware manufacturing

D) To reduce internet usage

Answer: A) To create systems that can reason, learn and solve problems like humans

Q32. Which of the following is TRUE about the "History of Artificial Intelligence"?

A) AI research has evolved over several decades since the mid-20th century

B) AI was invented in the last 5 years only

C) AI has no historical background

D) AI existed before computers

Answer: A) AI research has evolved over several decades since the mid-20th century

Q33. Which of the following technology allows remote surgery assistance and simulation training in medicine?

A) Virtual Reality/AI-assisted technology

B) 3D Printing only

C) Blockchain only

D) USSD

Answer: A) Virtual Reality/AI-assisted technology

Q34. Which of the following is an example of AI used in everyday life?

A) Recommendation systems on shopping/streaming platforms

B) A manual typewriter

C) A basic torch light

D) A simple calculator

Answer: A) Recommendation systems on shopping/streaming platforms

Q35. Which of the following describes a "Subset of Artificial Intelligence" dealing with neural networks and large datasets?

A) Deep Learning

B) 3D Printing

C) USSD

D) PoS

Answer: A) Deep Learning

Q36. Which of the following is a concern regarding data privacy in the context of IoT devices?

A) IoT devices collect personal data that could be misused if not secured properly

B) IoT devices never collect any data

C) IoT devices have no internet connectivity

D) IoT devices cannot be hacked

Answer: A) IoT devices collect personal data that could be misused if not secured properly

Q37. Which of the following best describes Cloud Computing service models (e.g., SaaS, IaaS, PaaS)?

A) Different ways cloud services are delivered — Software, Infrastructure and Platform as a Service

B) Types of hardware only

C) Types of printers

D) Types of network cables

Answer: A) Different ways cloud services are delivered — Software, Infrastructure and Platform as a Service

Q38. Which of the following is an example of "Big Data" source?

A) Social media posts, sensor data, and transaction records generated continuously

B) A single text file

C) One email

D) A single photo

Answer: A) Social media posts, sensor data, and transaction records generated continuously

Q39. Which of the following industries uses Virtual Reality primarily for immersive training and simulations?

A) Aviation, healthcare and defense

B) None of the industries use VR

C) Only agriculture

D) Only retail

Answer: A) Aviation, healthcare and defense

Q40. Which of the following statement about "AI at Present" is generally TRUE?

A) AI is widely integrated into everyday applications like search engines, virtual assistants and recommendation systems

B) AI is not used anywhere currently

C) AI is banned worldwide

D) AI only exists in science fiction movies

Answer: A) AI is widely integrated into everyday applications like search engines, virtual assistants and recommendation systems

KEDKING INSTITUTE

Q41. Which of the following technology is primarily responsible for enabling "smart homes" (smart lights, smart locks, etc.)?

A) Internet of Things (IoT)
B) Blockchain
C) 3D Printing
D) RTGS

Answer: A) Internet of Things (IoT)

Q42. Which of the following is a common application of Blockchain technology besides cryptocurrency?

A) Secure and transparent record-keeping (e.g., supply chain tracking)
B) Printing documents
C) Video editing
D) Word processing

Answer: A) Secure and transparent record-keeping (e.g., supply chain tracking)

Q43. Which of the following is an example of a Future Skill area highlighted in the CCC syllabus?

A) Cloud Computing, Big Data, AI, IoT, Blockchain, VR, 3D Printing and RPA
B) Only typing skills
C) Only handwriting
D) Only paper filing

Answer: A) Cloud Computing, Big Data, AI, IoT, Blockchain, VR, 3D Printing and RPA

Q44. Which of the following best explains why learning about Future Skills and AI is included in the CCC syllabus?

A) To make learners aware of emerging technologies shaping the future job market
B) To discourage the use of computers
C) To focus only on old technologies
D) To avoid digital literacy

Answer: A) To make learners aware of emerging technologies shaping the future job market

Q45. Which of the following is a potential advantage of AI in agriculture?

A) Precision farming using data analysis for better crop yield
B) AI cannot be used in agriculture
C) AI only works indoors
D) AI has no application in farming

Answer: A) Precision farming using data analysis for better crop yield

Q46. Which of the following describes "Application of AI" in customer service?

A) Chatbots handling customer queries automatically
B) Manual paper-based responses only
C) Postal mail replies only
D) No AI is used in customer service

Answer: A) Chatbots handling customer queries automatically

Q47. Which of the following technology allows manufacturing customized products directly from a digital 3D model?

A) 3D Printing
B) Cloud Computing
C) Blockchain
D) IoT

Answer: A) 3D Printing

Q48. Which of the following is a correct example demonstrating "Robotics Process Automation" in a business setting?

A) Automated software bots processing routine data entry tasks
B) A human manually entering all data
C) Printing physical forms
D) Mailing letters by post

Answer: A) Automated software bots processing routine data entry tasks

Q49. Which of the following is generally considered a limitation of current Artificial Intelligence systems?

A) Lack of true human-like general reasoning and common sense in most systems
B) AI can fully replicate human emotions perfectly
C) AI requires no data to function
D) AI never makes errors

Answer: A) Lack of true human-like general reasoning and common sense in most systems

Q50. Which of the following best summarizes the overall theme of Chapter 10 in the CCC syllabus?

A) Introducing learners to emerging future technologies including AI and their real-world impact
B) Teaching only basic typing
C) Teaching only hardware repair
D) Teaching only email usage

VEDIKING INSTITUTE

Answer: A) Introducing learners to emerging future technologies including AI and their real-world impact

Q51. Which of the following describes 'Edge Computing' in relation to Cloud Computing?

A) Processing data closer to where it is generated (at the edge of the network) rather than relying solely on a centralized cloud

B) The same as traditional cloud computing with no difference

C) A method of physically printing documents

D) A type of antivirus feature

Answer: A) Processing data closer to where it is generated (at the edge of the network) rather than relying solely on a centralized cloud

Q52. Which of the following describes 'Digital Twin' technology?

A) A virtual, real-time digital representation of a physical object or system

B) A type of physical backup device

C) A type of email client

D) A type of web browser

Answer: A) A virtual, real-time digital representation of a physical object or system

Q53. Which of the following is a common application of IoT in agriculture (Smart Farming)?

A) Using sensors to monitor soil moisture, temperature and crop conditions remotely

B) Manually checking every field without any technology

C) Only using traditional farming tools

D) Avoiding technology in agriculture entirely

Answer: A) Using sensors to monitor soil moisture, temperature and crop conditions remotely

Q54. Which of the following is an example of AI-powered technology used in autonomous vehicles?

A) Self-driving car systems using sensors and AI algorithms to navigate

B) Manual gear shifting only

C) Traditional cruise control only

D) Basic speedometer readings only

Answer: A) Self-driving car systems using sensors and AI algorithms to navigate

Q55. Which of the following describes 'Natural Language Processing (NLP)' as a branch of AI?

A) Enabling computers to understand, interpret and generate human language

B) A hardware component only

C) A type of printer

D) A type of network cable

Answer: A) Enabling computers to understand, interpret and generate human language

Q56. Which of the following is an example of NLP application in daily life?

A) Voice assistants and chatbots understanding spoken/typed language

B) 3D printers

C) Barcode scanners only

D) Basic calculators

Answer: A) Voice assistants and chatbots understanding spoken/typed language

Q57. Which of the following describes 'Computer Vision' as a branch of AI?

A) Enabling computers to interpret and understand visual information from images/videos

B) A hardware monitor only

C) A type of printer

D) A type of keyboard

Answer: A) Enabling computers to interpret and understand visual information from images/videos

Q58. Which of the following is an example of Computer Vision application?

A) Facial recognition systems and object detection in photos

B) Basic text editors

C) Simple calculators

D) Traditional landline phones

Answer: A) Facial recognition systems and object detection in photos

Q59. Which of the following describes 'Smart City' initiatives using future technologies?

A) Using IoT, AI, and data analytics to improve urban services like traffic management and utilities

B) Building cities without any technology

C) Using only paper-based governance

D) Avoiding all digital infrastructure

Answer: A) Using IoT, AI, and data analytics to improve urban services like traffic management and utilities

EDKING INSTITUTE

Q60. Which of the following is a potential application of Blockchain in the future beyond cryptocurrency, as covered conceptually in the syllabus?

A) Secure voting systems and transparent record-keeping

B) Only for illegal activities

C) Has no other application besides cryptocurrency

D) Only used for printing documents

Answer: A) Secure voting systems and transparent record-keeping

Q61. Which of the following describes the concept of 'Industry 4.0'?

A) The integration of IoT, AI, automation and data exchange in modern manufacturing/industrial processes

B) A type of accounting software

C) A type of email client

D) A type of antivirus

Answer: A) The integration of IoT, AI, automation and data exchange in modern manufacturing/industrial processes

Q62. Which of the following is an example of Cloud Computing benefiting small businesses?

A) Access to affordable, scalable computing resources without heavy upfront hardware investment

B) Requiring businesses to buy expensive local servers always

C) Eliminating the need for any internet connection

D) Making data less accessible

Answer: A) Access to affordable, scalable computing resources without heavy upfront hardware investment

Q63. Which of the following describes 'Predictive Analytics' as part of Big Data Analytics?

A) Using historical data and statistical algorithms to predict future outcomes/trends

B) Only recording past data with no analysis

C) Deleting old data permanently

D) Printing data reports only

Answer: A) Using historical data and statistical algorithms to predict future outcomes/trends

Q64. Which of the following is a real-world example of Predictive Analytics?

A) E-commerce platforms predicting products a customer might want to buy next

B) A basic calculator performing addition

C) A typewriter printing text

D) A landline phone making calls

Answer: A) E-commerce platforms predicting products a customer might want to buy next

Q65. Which of the following describes 'Chatbot' technology as an AI application?

A) A software program that simulates conversation with users, often used in customer service

B) A type of hardware device

C) A type of printer

D) A type of monitor

Answer: A) A software program that simulates conversation with users, often used in customer service

Q66. Which of the following describes the concept of 'Data Privacy' concerns related to Big Data and AI?

A) Ensuring personal data collected and analyzed is protected and used responsibly, with user consent

B) Big Data and AI have no privacy implications

C) Data privacy only matters for governments, not individuals

D) Data privacy is irrelevant to Big Data Analytics

Answer: A) Ensuring personal data collected and analyzed is protected and used responsibly, with user consent

Q67. Which of the following describes 'Bias in AI' as an ethical concern?

A) AI systems can reflect and amplify biases present in their training data, leading to unfair outcomes

B) AI systems are always completely neutral and unbiased

C) Bias only affects hardware, not software

D) AI cannot be biased under any circumstances

Answer: A) AI systems can reflect and amplify biases present in their training data, leading to unfair outcomes

Q68. Which of the following is a recommended approach to address ethical concerns in AI development, as per the syllabus theme?

ZED KING INSTITUTE

A) Establishing guidelines and responsible practices for fair, transparent and accountable AI use

B) Ignoring all ethical considerations entirely

C) Developing AI without any oversight or regulation

D) Avoiding AI development altogether

Answer: A) Establishing guidelines and responsible practices for fair, transparent and accountable AI use

Q69. Which of the following describes the potential future impact of AI on the education sector?

A) Personalized learning experiences and AI-assisted tutoring/grading systems

B) AI has no application in education

C) Only traditional chalk-and-board methods will be used forever

D) Education will completely stop using any technology

Answer: A) Personalized learning experiences and AI-assisted tutoring/grading systems

Q70. Which of the following describes the potential future impact of AI on the transportation sector?

A) Development of autonomous vehicles and AI-optimized traffic management systems

B) AI has no application in transportation

C) Only manual driving will exist forever

D) Transportation cannot be improved with technology

Answer: A) Development of autonomous vehicles and AI-optimized traffic management systems

Q71. Which of the following describes the concept of 'Digital Divide'?

A) The gap between individuals/communities who have access to modern technology and those who do not

B) A type of computer virus

C) A type of AI algorithm

D) A type of cloud service

Answer: A) The gap between individuals/communities who have access to modern technology and those who do not

Q72. Which of the following is an initiative aimed at bridging the digital divide by promoting digital literacy in India, related to the goals of the CCC course itself?

A) Digital Literacy Programs like the CCC course

B) Only providing free smartphones with no training

C) Ignoring rural connectivity issues

D) Restricting internet access further

Answer: A) Digital Literacy Programs like the CCC course

Q73. Which of the following describes 'Quantum Computing' as an emerging future technology?

A) A type of computing that uses principles of quantum mechanics to process information in fundamentally new ways

B) A faster version of traditional computing with no fundamental difference

C) A type of printer

D) A type of network cable

Answer: A) A type of computing that uses principles of quantum mechanics to process information in fundamentally new ways

Q74. Which of the following is a potential future application of Quantum Computing mentioned in emerging technology discussions?

A) Solving complex problems in cryptography, drug discovery and optimization much faster than classical computers

B) Only used for basic word processing

C) Only used for printing documents

D) Has no practical applications

Answer: A) Solving complex problems in cryptography, drug discovery and optimization much faster than classical computers

Q75. Which of the following describes '5G Technology' as an enabler of future skills like IoT?

A) A high-speed mobile network technology enabling faster connectivity for IoT devices and applications

B) A type of antivirus

C) A type of printer

D) A type of operating system

Answer: A) A high-speed mobile network technology enabling faster connectivity for IoT devices and applications

Q76. Which of the following is a benefit of 5G technology for IoT and smart devices?

A) Lower latency and higher speed enabling more responsive and connected smart devices

B) Slower speeds than previous generations

C) No improvement over 4G in any aspect

ZED-KING INSTITUTE

D) Only works for voice calls

Answer: A) Lower latency and higher speed enabling more responsive and connected smart devices

Q77. Which of the following describes 'Automation' as a broader future skill theme covering RPA?

A) Using technology to perform tasks with minimal human intervention

B) Only refers to manual labor

C) Has no relation to future skills

D) Only applies to manufacturing, not services

Answer: A) Using technology to perform tasks with minimal human intervention

Q78. Which of the following sector is commonly cited as benefiting from Robotics Process Automation for repetitive back-office tasks?

A) Banking and Finance (e.g., processing routine transactions)

B) Only agriculture

C) Only sports

D) Only entertainment

Answer: A) Banking and Finance (e.g., processing routine transactions)

Q79. Which of the following describes the relationship between Big Data and Artificial Intelligence?

A) AI systems often rely on large volumes of data (Big Data) to learn patterns and improve performance

B) Big Data and AI are entirely unrelated fields

C) AI cannot function with any data

D) Big Data replaces the need for AI entirely

Answer: A) AI systems often rely on large volumes of data (Big Data) to learn patterns and improve performance

Q80. Which of the following is a reason cloud computing is considered cost-effective for many organizations?

A) Reduces the need for large upfront investment in physical hardware and infrastructure

B) Always requires more hardware investment than traditional methods

C) Cloud computing has no cost benefits

D) Increases the need for local servers

Answer: A) Reduces the need for large upfront investment in physical hardware and infrastructure

Q81. Which of the following describes 'Augmented Reality (AR)' use in retail, as an application of future skills technologies?

A) Allowing customers to virtually try on products or visualize items in their space before buying

B) Has no application in retail

C) Only used in gaming with no other use

D) Replaces the need for any physical stores entirely

Answer: A) Allowing customers to virtually try on products or visualize items in their space before buying

Q82. Which of the following is a key consideration when adopting new future technologies like AI and IoT in an organization, related to the Ethics of AI theme?

A) Balancing innovation with responsible, ethical and secure implementation

B) Adopting technology without any consideration for security

C) Ignoring user privacy completely

D) Avoiding all new technology adoption

Answer: A) Balancing innovation with responsible, ethical and secure implementation

Q83. Which of the following describes the potential impact of AI-driven automation on the job market, as a balanced view covered under advantages/disadvantages of AI?

A) It may displace some routine jobs while creating new opportunities requiring different skills

B) It will have absolutely no impact on any jobs

C) It will only create jobs with no displacement at all

D) It will only displace jobs with no new opportunities created

Answer: A) It may displace some routine jobs while creating new opportunities requiring different skills

Q84. Which of the following is recommended for individuals to remain relevant in a future job market increasingly influenced by AI and automation?

A) Continuous learning and upskilling in relevant future technologies

B) Avoiding all learning about new technologies

C) Relying solely on skills that are becoming obsolete

D) Ignoring technological changes entirely

VEDKING INSTITUTE

Answer: A) Continuous learning and upskilling in relevant future technologies

Q85. Which of the following describes 'Green Computing' or sustainable use of technology, sometimes discussed alongside future skills?

A) Practices aimed at reducing the environmental impact of computing and technology use

B) Using as much energy as possible regardless of impact

C) Avoiding the use of any computers

D) Ignoring environmental considerations in technology

Answer: A) Practices aimed at reducing the environmental impact of computing and technology use

Q86. Which of the following is an example of applying Big Data Analytics in the healthcare sector?

A) Analyzing patient data to identify disease patterns and improve treatment outcomes

B) Only used for hospital billing with no analytical value

C) Has no application in healthcare

D) Only used for scheduling appointments manually

Answer: A) Analyzing patient data to identify disease patterns and improve treatment outcomes

Q87. Which of the following describes the concept of 'Smart Manufacturing' related to Industry 4.0 and Robotics?

A) Using automation, IoT, and data analytics to optimize manufacturing processes

B) Manufacturing done entirely without any technology

C) Only applies to small-scale handmade products

D) Has no connection to modern industrial practices

Answer: A) Using automation, IoT, and data analytics to optimize manufacturing processes

Q88. Which of the following is an example of how Virtual Reality can be used in education as a future skill application?

A) Creating immersive learning experiences like virtual field trips or lab simulations

B) VR has no application in education

C) Only used for entertainment purposes

D) Replaces the need for teachers entirely with no benefit

Answer: A) Creating immersive learning experiences like virtual field trips or lab simulations

Q89. Which of the following describes the general goal of introducing learners to IoT, AI, Cloud Computing and other future skills in the CCC course?

A) To build foundational awareness of emerging technologies relevant to future employability and digital literacy

B) To make learners avoid using any modern technology

C) To focus exclusively on outdated computing methods

D) To discourage further learning in technology fields

Answer: A) To build foundational awareness of emerging technologies relevant to future employability and digital literacy

Q90. Which of the following best summarizes why understanding Artificial Intelligence ethics and myths is important for a digitally literate citizen, as covered in the syllabus?

A) It helps individuals use AI responsibly and make informed decisions rather than believing misconceptions

B) It is not important for general digital literacy

C) Only AI developers need to understand AI ethics

D) Myths about AI have no impact on public perception or usage

Answer: A) It helps individuals use AI responsibly and make informed decisions rather than believing misconceptions

Q91. Which of the following describes 'Digital Transformation' in businesses adopting future technologies?

A) The integration of digital technology into all areas of business, fundamentally changing operations and value delivery

B) Avoiding all technology adoption in business

C) Only replacing paper with digital paper, nothing else

D) Has no impact on business operations

Answer: A) The integration of digital technology into all areas of business,

ZODIAC INSTITUTE

fundamentally changing operations and value delivery

Q92. Which of the following is an example of AI applied in fraud detection for banking, connecting Chapter 8 and Chapter 10 themes?

A) AI algorithms analyzing transaction patterns to flag suspicious activity in real time

B) AI has no role in fraud detection

C) Fraud detection relies only on manual review with no technology

D) AI increases fraud rather than detecting it

Answer: A) AI algorithms analyzing transaction patterns to flag suspicious activity in real time

Q93. Which of the following best describes the role of sensors in IoT devices?

A) Collecting real-world data (temperature, motion, etc.) to be processed and acted upon by connected systems

B) Sensors only display data with no data collection

C) Sensors replace the need for internet connectivity

D) Sensors are unrelated to IoT devices

Answer: A) Collecting real-world data (temperature, motion, etc.) to be processed and acted upon by connected systems

Q94. Which of the following is an example of Big Data Analytics being used in traffic management for smart cities?

A) Analyzing real-time traffic data to optimize signal timing and reduce congestion

B) Has no application in traffic management

C) Only used for printing traffic tickets

D) Replaces the need for traffic signals entirely

Answer: A) Analyzing real-time traffic data to optimize signal timing and reduce congestion

Q95. Which of the following describes the concept of 'Interoperability' as it relates to IoT devices from different manufacturers?

A) The ability of different IoT devices and systems to work together and exchange data effectively

B) IoT devices from different manufacturers can never work together

C) Interoperability is not a consideration for IoT

D) Only devices from the same manufacturer can ever connect to the internet

Answer: A) The ability of different IoT devices and systems to work together and exchange data effectively

Q96. Which of the following is a benefit of Robotics Process Automation for reducing human error in repetitive data entry tasks?

A) Bots perform tasks consistently according to defined rules, minimizing manual errors

B) RPA increases errors compared to manual entry

C) RPA has no impact on error rates

D) RPA can only be used for creative tasks, not data entry

Answer: A) Bots perform tasks consistently according to defined rules, minimizing manual errors

Q97. Which of the following describes 'Explainable AI (XAI)' as an emerging concept related to AI ethics?

A) AI systems designed so their decision-making processes can be understood and interpreted by humans

B) AI systems that operate completely without any transparency by design

C) A type of hardware component

D) A type of network protocol

Answer: A) AI systems designed so their decision-making processes can be understood and interpreted by humans

Q98. Which of the following is an example of Cloud Computing enabling remote work and collaboration, especially relevant post-pandemic?

A) Cloud-based document sharing and video conferencing tools accessible from anywhere

B) Cloud computing has no relevance to remote work

C) Requires physical presence in an office at all times

D) Only works with locally installed software with no internet needed

Answer: A) Cloud-based document sharing and video conferencing tools accessible from anywhere

Q99. Which of the following describes the future skill relevance of understanding basic AI concepts for non-technical professionals, as emphasized in the CCC syllabus?

ZELKING INSTITUTE

A) It helps them adapt to AI-integrated tools and workflows increasingly used across various job roles

B) Only software engineers need to understand AI concepts

C) AI concepts are irrelevant outside of IT departments

D) Understanding AI provides no professional benefit

Answer: A) It helps them adapt to AI-integrated tools and workflows increasingly used across various job roles

Q100. Which of the following best captures the overall purpose of covering Future Skills and AI in a foundational digital literacy course like CCC?

A) To prepare learners with awareness of technologies that will increasingly shape work and daily life

B) To make learners experts capable of building AI systems

C) To discourage the adoption of any new technology

D) To focus solely on historical computing methods with no forward outlook

Answer: A) To prepare learners with awareness of technologies that will increasingly shape work and daily life

Cyber Security

Q1. Cyber Security primarily deals with protecting?

A) Computers, networks and data from digital attacks

B) Only hardware

C) Only printers

D) Only mobile apps

Answer: A) Computers, networks and data from digital attacks

Q2. Which of the following helps protect a PC from viruses and malware?

A) Antivirus Software

B) MS Word

C) Calculator

D) Notepad

Answer: A) Antivirus Software

Q3. A strong password should ideally include?

A) Only your name

B) Only numbers

C) A mix of letters, numbers and special characters

D) Only lowercase letters

Answer: C) A mix of letters, numbers and special characters

Q4. Which of the following is a method to secure a web browser?

A) Clearing cache/cookies regularly and updating browser

B) Sharing passwords openly

C) Disabling all security settings

D) Downloading from unknown sites

Answer: A) Clearing cache/cookies regularly and updating browser

Q5. Which of the following helps secure your email and social media accounts?

A) Two-Factor Authentication (2FA)

B) Sharing your password publicly

C) Using the same simple password everywhere

D) Ignoring login alerts

Answer: A) Two-Factor Authentication (2FA)

Q6. Malicious software designed to harm or exploit a computer system is called?

A) Malware

B) Firmware

C) Freeware

D) Shareware

Answer: A) Malware

Q7. An email attempting to trick users into revealing personal/sensitive information is called?

A) Spam only

B) Phishing

C) Newsletter

D) Notification

Answer: B) Phishing

Q8. Which of the following is a good practice to secure a smartphone?

A) Using screen lock/PIN and installing apps only from trusted stores

B) Rooting/jailbreaking without caution

C) Installing apps from unknown sources

D) Disabling all security updates

Answer: A) Using screen lock/PIN and installing apps only from trusted stores

ZED-KING INSTITUTE

Q9. Which of the following is the primary goal of Cyber Security?

A) Confidentiality, Integrity and Availability of data

B) Only speed of the computer

C) Only appearance of the desktop

D) Only internet browsing

Answer: A) Confidentiality, Integrity and Availability of data

Q10. Updating operating system and software regularly helps in?

A) Fixing security vulnerabilities

B) Slowing down the computer

C) Deleting all files

D) Removing internet connection

Answer: A) Fixing security vulnerabilities

Q11. Which of the following is NOT a safe practice for social media accounts?

A) Using strong, unique passwords

B) Accepting friend requests from unknown people and sharing personal data

C) Enabling two-factor authentication

D) Reviewing privacy settings regularly

Answer: B) Accepting friend requests from unknown people and sharing personal data

Q12. A firewall is used to?

A) Monitor and control incoming/outgoing network traffic

B) Increase printer speed

C) Format the hard disk

D) Create presentations

Answer: A) Monitor and control incoming/outgoing network traffic

Q13. A self-replicating malicious program that spreads from one computer to another is called a?

A) Virus

B) Cookie

C) Cache

D) Driver

Answer: A) Virus

Q14. Malicious software that locks/encrypts a user's data and demands payment to restore access is called?

A) Ransomware

B) Freeware

C) Shareware

D) Adware

Answer: A) Ransomware

Q15. Software that secretly monitors user activity and sends data to a third party is called?

A) Spyware

B) Freeware

C) Firmware

D) Antivirus

Answer: A) Spyware

Q16. Which of the following is a common sign of a phishing email?

A) Urgent requests for personal/financial information from unknown/suspicious senders

B) An email from a known colleague about work

C) A newsletter you subscribed to

D) A calendar invite from your manager

Answer: A) Urgent requests for personal/financial information from unknown/suspicious senders

Q17. Which of the following is the safest practice regarding public Wi-Fi for sensitive transactions?

A) Avoid banking/sensitive transactions on public Wi-Fi

B) Always use public Wi-Fi for banking

C) Share your bank OTP over public Wi-Fi freely

D) Public Wi-Fi has no risks

Answer: A) Avoid banking/sensitive transactions on public Wi-Fi

Q18. Which of the following describes "Two-Factor Authentication (2FA)"?

A) A security process requiring two different forms of verification to access an account

B) Using the same password twice

C) A type of virus

D) A type of antivirus only

Answer: A) A security process requiring two different forms of verification to access an account

Q19. Which of the following is a recommended practice for creating passwords?

A) Using a unique, complex password for each account

B) Using "123456" for all accounts

C) Using your date of birth as password

ZED KING INSTITUTE

D) Writing passwords on a sticky note on your monitor

Answer: A) Using a unique, complex password for each account

Q20. Which of the following should you do before clicking a link in an unexpected email?

A) Verify the sender and hover over the link to check its authenticity

B) Click immediately

C) Forward it to friends

D) Reply with personal information

Answer: A) Verify the sender and hover over the link to check its authenticity

Q21. Which of the following is a benefit of regularly backing up important data?

A) Protection against data loss due to malware, hardware failure or accidental deletion

B) Increases risk of virus attack

C) Slows down the computer permanently

D) Deletes original files

Answer: A) Protection against data loss due to malware, hardware failure or accidental deletion

Q22. Which of the following is an appropriate action when you receive a suspicious link via SMS/WhatsApp?

A) Do not click on it and verify/report if needed

B) Click and enter your bank details

C) Forward to all contacts

D) Reply asking for more details

Answer: A) Do not click on it and verify/report if needed

Q23. Which of the following describes "Social Engineering" in cyber security?

A) Manipulating people into revealing confidential information

B) Designing social media websites

C) A type of antivirus

D) A type of firewall

Answer: A) Manipulating people into revealing confidential information

Q24. Which of the following is a good practice for securing home Wi-Fi routers?

A) Changing the default admin password and using strong Wi-Fi encryption (WPA2/WPA3)

B) Keeping the default password "admin"

C) Disabling all security features

D) Sharing the Wi-Fi password publicly

Answer: A) Changing the default admin password and using strong Wi-Fi encryption (WPA2/WPA3)

Q25. Which of the following file type is commonly used to spread viruses via email attachments?

A) .exe / macro-enabled documents

B) .txt only

C) .jpg only

D) None, files cannot carry viruses

Answer: A) .exe / macro-enabled documents

Q26. Which of the following practice helps prevent unauthorized access if your device is left unattended?

A) Enabling auto screen lock with a password/PIN

B) Leaving the device unlocked

C) Disabling password protection

D) Sharing your PIN with colleagues

Answer: A) Enabling auto screen lock with a password/PIN

Q27. Which of the following is the correct meaning of "Confidentiality" in cyber security?

A) Ensuring information is accessible only to authorized users

B) Ensuring information is available to everyone

C) Ensuring data speed is fast

D) Ensuring hardware is expensive

Answer: A) Ensuring information is accessible only to authorized users

Q28. Which of the following is the correct meaning of "Integrity" in cyber security?

A) Ensuring data is accurate and has not been tampered with

B) Ensuring data is deleted

C) Ensuring data is always public

D) Ensuring data is slow to access

Answer: A) Ensuring data is accurate and has not been tampered with

Q29. Which of the following is the correct meaning of "Availability" in cyber security?

A) Ensuring authorized users can access data/systems when needed

B) Ensuring data is hidden permanently

C) Ensuring data is deleted regularly

D) Ensuring only hackers can access data

ZED KING INSTITUTE

Answer: A) Ensuring authorized users can access data/systems when needed

Q30. Which of the following should be avoided to reduce the risk of identity theft online?

A) Sharing sensitive personal information (Aadhaar, bank details) publicly on social media

B) Using strong passwords

C) Enabling 2FA

D) Checking privacy settings

Answer: A) Sharing sensitive personal information (Aadhaar, bank details) publicly on social media

Q31. Which of the following term describes unwanted bulk/junk messages sent over email or messaging apps?

A) Spam

B) Firewall

C) Antivirus

D) Cookie

Answer: A) Spam

Q32. Which of the following is a recommended action after using a public/shared computer for banking?

A) Log out completely and clear browser history/cache

B) Leave the session open

C) Save the password on that computer

D) Do nothing

Answer: A) Log out completely and clear browser history/cache

Q33. Which of the following software helps detect and remove malicious programs from a computer?

A) Antivirus/Anti-malware Software

B) MS Word

C) MS Excel

D) Web Browser

Answer: A) Antivirus/Anti-malware Software

Q34. Which of the following is an example of a strong password?

A) P@ssw0rd!2026#Xz

B) 123456

C) password

D) yourname

Answer: A) P@ssw0rd!2026#Xz

Q35. Which of the following describes "Cyberbullying"?

A) Using digital platforms to harass, threaten or intimidate someone

B) A type of antivirus

C) A type of firewall

D) A type of encryption

Answer: A) Using digital platforms to harass, threaten or intimidate someone

Q36. Which of the following is the best practice while installing a new mobile app?

A) Reviewing app permissions and downloading only from official app stores

B) Granting all permissions blindly

C) Downloading from random third-party links

D) Ignoring app reviews and ratings

Answer: A) Reviewing app permissions and downloading only from official app stores

Q37. Which of the following describes "Encryption"?

A) Converting data into a coded form to prevent unauthorized access

B) Deleting data permanently

C) Compressing files

D) Printing files

Answer: A) Converting data into a coded form to prevent unauthorized access

Q38. Which of the following should you check on a website before entering payment details?

A) The website uses HTTPS (secure padlock symbol)

B) The website has a colorful design

C) The website loads quickly

D) The website has many advertisements

Answer: A) The website uses HTTPS (secure padlock symbol)

Q39. Which of the following is a risk of clicking on pop-up advertisements from unknown sources?

A) It may lead to malware infection or phishing sites

B) It always gives free prizes

C) It has no risk at all

D) It improves computer speed

Answer: A) It may lead to malware infection or phishing sites

ZEDKING INSTITUTE

Q40. Which of the following is the safest way to dispose of an old computer/mobile with personal data?

A) Securely wiping/formatting the data before disposal
B) Giving it away without deleting any data
C) Selling it with all personal data intact
D) Throwing it away without any precaution
Answer: A) Securely wiping/formatting the data before disposal

Q41. Which of the following is a common cyber threat where attackers overload a server to make it unavailable?

A) Denial of Service (DoS) Attack
B) Antivirus Scan
C) Firewall Setup
D) Software Update
Answer: A) Denial of Service (DoS) Attack

Q42. Which of the following is the correct action if your email account shows suspicious login activity?

A) Change your password immediately and enable 2FA
B) Ignore the alert
C) Share your password with support over email
D) Delete your account without changing password
Answer: A) Change your password immediately and enable 2FA

Q43. Which of the following is generally the safest source to download software/apps from?

A) Official websites/app stores
B) Unknown third-party websites
C) Pirated software links
D) Email attachments from strangers
Answer: A) Official websites/app stores

Q44. Which of the following term describes tricking a person through a fraudulent phone call to reveal confidential information?

A) Vishing (Voice Phishing)
B) Antivirus
C) Firewall
D) Encryption
Answer: A) Vishing (Voice Phishing)

Q45. Which of the following term describes phishing carried out via SMS text messages?

A) Smishing
B) Vishing
C) Firewall
D) Malware
Answer: A) Smishing

Q46. Which of the following is a recommended step to secure a smart phone against theft?

A) Enabling remote lock/wipe features (e.g., Find My Device)
B) Disabling screen lock
C) Sharing your device PIN publicly
D) Avoiding any security app
Answer: A) Enabling remote lock/wipe features (e.g., Find My Device)

Q47. Which of the following is TRUE about software updates and security patches?

A) They often fix known security vulnerabilities and should be installed promptly
B) They always harm the device
C) They should always be avoided
D) They have no relation to security
Answer: A) They often fix known security vulnerabilities and should be installed promptly

Q48. Which of the following describes "Need for Cyber Security"?

A) To protect personal, financial and organizational data from unauthorized access and cyber attacks
B) To increase internet speed only
C) To reduce electricity consumption
D) To improve printer quality
Answer: A) To protect personal, financial and organizational data from unauthorized access and cyber attacks

Q49. Which of the following is a safe practice while using webcams on a laptop?

A) Covering the webcam when not in use and updating device security
B) Keeping the webcam always uncovered and unmonitored
C) Sharing webcam access with unknown apps
D) Disabling all antivirus protection
Answer: A) Covering the webcam when not in use and updating device security

Q50. Which of the following best defines the overall goal of Cyber Security awareness?

ZEEKING INSTITUTE

A) Enabling users to identify, prevent and respond to digital threats effectively

B) Making users afraid of using computers

C) Encouraging users to share passwords for convenience

D) Avoiding the use of antivirus software

Answer: A) Enabling users to identify, prevent and respond to digital threats effectively

Q51. Which of the following describes a 'Trojan Horse' in cyber security?

A) Malicious software disguised as legitimate software to trick users into installing it

B) A type of antivirus

C) A type of firewall

D) A type of encryption

Answer: A) Malicious software disguised as legitimate software to trick users into installing it

Q52. Which of the following describes a 'Worm' as a type of malware?

A) A self-replicating malware that spreads across networks without needing to attach to a host file

B) A type of antivirus

C) A type of firewall

D) A type of legitimate software update

Answer: A) A self-replicating malware that spreads across networks without needing to attach to a host file

Q53. Which of the following describes 'Adware'?

A) Software that automatically displays or downloads unwanted advertisements

B) A type of antivirus

C) A type of firewall

D) A type of operating system

Answer: A) Software that automatically displays or downloads unwanted advertisements

Q54. Which of the following describes a 'Keylogger'?

A) Malicious software/hardware that records keystrokes to steal sensitive information like passwords

B) A type of antivirus

C) A type of firewall

D) A type of legitimate typing tool

Answer: A) Malicious software/hardware that records keystrokes to steal sensitive information like passwords

Q55. Which of the following is a recommended practice to protect against keyloggers when entering sensitive information?

A) Using virtual/on-screen keyboards on untrusted devices and keeping antivirus updated

B) Typing passwords loudly

C) Sharing passwords with friends

D) Disabling antivirus software

Answer: A) Using virtual/on-screen keyboards on untrusted devices and keeping antivirus updated

Q56. Which of the following describes a 'Zero-day vulnerability'?

A) A security flaw that is exploited by attackers before the vendor releases a fix/patch

B) A vulnerability that has existed for zero days and poses no risk

C) A type of antivirus feature

D) A type of firewall setting

Answer: A) A security flaw that is exploited by attackers before the vendor releases a fix/patch

Q57. Which of the following is the recommended frequency for changing important account passwords as a general best practice?

A) Periodically, and immediately if a breach is suspected

B) Never change passwords once set

C) Only change passwords once in a lifetime

D) Change passwords every minute

Answer: A) Periodically, and immediately if a breach is suspected

Q58. Which of the following describes 'Password Manager' software?

A) A tool that securely stores and manages complex, unique passwords for different accounts

B) A tool that shares your passwords with others

C) A type of virus

D) A type of firewall

Answer: A) A tool that securely stores and manages complex, unique passwords for different accounts

Q59. Which of the following is a benefit of using a Password Manager?

ZED-KING INSTITUTE

A) Allows using strong, unique passwords for each account without needing to memorize all of them

B) Makes all your passwords the same for convenience

C) Removes the need for any password at all

D) Shares your passwords publicly

Answer: A) Allows using strong, unique passwords for each account without needing to memorize all of them

Q60. Which of the following describes 'Biometric Authentication'?

A) Using unique physical characteristics like fingerprints or facial recognition to verify identity

B) Using only a text password

C) Using only a security question

D) Using only an email address

Answer: A) Using unique physical characteristics like fingerprints or facial recognition to verify identity

Q61. Which of the following is a common example of biometric authentication on smartphones?

A) Fingerprint scanner/Face unlock

B) Text password only

C) Security question only

D) PIN entry only (not biometric)

Answer: A) Fingerprint scanner/Face unlock

Q62. Which of the following describes 'Data Breach'?

A) An incident where sensitive/confidential data is accessed or disclosed without authorization

B) A routine data backup

C) A software update

D) A password change

Answer: A) An incident where sensitive/confidential data is accessed or disclosed without authorization

Q63. Which of the following is a recommended action after learning your data was part of a data breach at a company you use?

A) Change your password for that account and monitor for suspicious activity

B) Ignore the notification completely

C) Share your new password publicly

D) Delete your antivirus software

Answer: A) Change your password for that account and monitor for suspicious activity

Q64. Which of the following describes the purpose of 'Privacy Policy' on a website?

A) Explains how the website collects, uses, and protects user data

B) A type of virus warning

C) A type of advertisement

D) A type of software license only for developers

Answer: A) Explains how the website collects, uses, and protects user data

Q65. Which of the following describes 'Terms of Service/Use' on a website or app?

A) The legal agreement outlining rules and guidelines for using a service

B) A type of virus

C) A type of firewall setting

D) A type of antivirus scan report

Answer: A) The legal agreement outlining rules and guidelines for using a service

Q66. Which of the following is a recommended practice regarding app permissions on a smartphone?

A) Granting only the permissions necessary for the app's core functionality

B) Granting all permissions to every app blindly

C) Denying all permissions, making apps unusable

D) Ignoring permission requests entirely

Answer: A) Granting only the permissions necessary for the app's core functionality

Q67. Which of the following describes 'Sextortion' as a cyber threat?

A) A form of blackmail where attackers threaten to release intimate images/information unless demands are met

B) A legitimate business practice

C) A type of antivirus feature

D) A type of firewall

Answer: A) A form of blackmail where attackers threaten to release intimate images/information unless demands are met

Q68. Which of the following is the recommended action if you become a victim of online financial fraud?

A) Immediately report to your bank and file a complaint with cyber crime authorities (e.g., cybercrime.gov.in in India)

B) Wait several months before reporting

C) Do nothing and accept the loss

ZED-KING INSTITUTE

D) Share more banking details with the fraudster to resolve it

Answer: A) Immediately report to your bank and file a complaint with cyber crime authorities (e.g., cybercrime.gov.in in India)

Q69. Which of the following describes 'Digital Hygiene'?

A) Regular practices and habits to maintain online safety and security, similar to personal hygiene

B) A type of virus

C) A type of hardware maintenance only

D) A type of internet speed test

Answer: A) Regular practices and habits to maintain online safety and security, similar to personal hygiene

Q70. Which of the following is a component of good digital hygiene?

A) Regularly updating software, using strong passwords, and being cautious with links/attachments

B) Never updating any software

C) Sharing passwords freely

D) Ignoring suspicious emails and clicking everything

Answer: A) Regularly updating software, using strong passwords, and being cautious with links/attachments

Q71. Which of the following describes 'Multi-Factor Authentication (MFA)' compared to Two-Factor Authentication (2FA)?

A) MFA can involve two or more verification factors, while 2FA specifically uses exactly two

B) MFA and 2FA are completely unrelated concepts

C) MFA uses only one factor

D) 2FA uses more factors than MFA always

Answer: A) MFA can involve two or more verification factors, while 2FA specifically uses exactly two

Q72. Which of the following is a common factor category used in multi-factor authentication?

A) Something you know (password), something you have (phone/OTP), something you are (biometric)

B) Only your name

C) Only your address

D) Only your favorite color

Answer: A) Something you know (password), something you have (phone/OTP), something you are (biometric)

Q73. Which of the following describes the purpose of 'Sandboxing' in cyber security?

A) Running potentially unsafe programs in an isolated environment to prevent harm to the main system

B) Deleting all files on a system

C) Sharing files publicly

D) Disabling all security software

Answer: A) Running potentially unsafe programs in an isolated environment to prevent harm to the main system

Q74. Which of the following is a recommended practice when using shared/public computers for any online account?

A) Always logging out and clearing browsing data after use

B) Leaving accounts logged in for convenience

C) Saving passwords on the shared computer

D) Sharing the computer's password with strangers

Answer: A) Always logging out and clearing browsing data after use

Q75. Which of the following describes 'Botnet' in cyber security?

A) A network of infected/compromised computers controlled remotely by an attacker, often used for attacks

B) A legitimate network of company servers

C) A type of antivirus software

D) A type of firewall

Answer: A) A network of infected/compromised computers controlled remotely by an attacker, often used for attacks

Q76. Which of the following describes 'Patch Management' in cyber security?

A) The process of regularly applying updates/patches to fix security vulnerabilities in software

B) Deleting all software from a system

C) Ignoring all software updates permanently

D) Sharing software with unauthorized users

Answer: A) The process of regularly applying updates/patches to fix security vulnerabilities in software

ZED-KING INSTITUTE

Q77. Which of the following describes an 'Intrusion Detection System (IDS)'?

A) A system that monitors network/system activity for malicious actions or policy violations

B) A system that only prints documents

C) A system that only manages email

D) A system that only creates presentations

Answer: A) A system that monitors network/system activity for malicious actions or policy violations

Q78. Which of the following is the correct term for creating a copy of important data at a separate secure location for recovery purposes?

A) Data Backup

B) Data Deletion

C) Data Corruption

D) Data Leakage

Answer: A) Data Backup

Q79. Which of the following is a recommended backup strategy often referred to as the '3-2-1 rule'?

A) 3 copies of data, on 2 different media types, with 1 copy stored offsite

B) 1 copy of data stored in only one place

C) No backups needed if antivirus is installed

D) Deleting old backups immediately after creation

Answer: A) 3 copies of data, on 2 different media types, with 1 copy stored offsite

Q80. Which of the following describes 'Endpoint Security'?

A) Protecting individual devices (endpoints) like computers and phones that connect to a network

B) Only protecting the central server

C) Only protecting printers

D) Only protecting routers

Answer: A) Protecting individual devices (endpoints) like computers and phones that connect to a network

Q81. Which of the following is a common indicator that a computer may be infected with malware?

A) Unusual slowdowns, pop-ups, or unfamiliar programs running

B) The computer boots up faster than usual

C) The computer uses less electricity

D) The computer's storage increases on its own with useful files

Answer: A) Unusual slowdowns, pop-ups, or unfamiliar programs running

Q82. Which of the following action should be taken immediately if you suspect your computer is infected with malware?

A) Run a full antivirus scan and disconnect from the internet if necessary

B) Continue using the computer normally without any action

C) Share your files with others immediately

D) Ignore the signs and hope it resolves itself

Answer: A) Run a full antivirus scan and disconnect from the internet if necessary

Q83. Which of the following describes 'Secure Socket Layer/Transport Layer Security (SSL/TLS)'?

A) A protocol that encrypts data transmitted between a browser and a website for security

B) A type of virus

C) A type of antivirus only

D) A type of firewall hardware

Answer: A) A protocol that encrypts data transmitted between a browser and a website for security

Q84. Which of the following is indicated in a browser when a website uses SSL/TLS encryption?

A) A padlock icon and 'https://' in the address bar

B) A red warning triangle always

C) A pop-up advertisement

D) A slow loading page always

Answer: A) A padlock icon and 'https://' in the address bar

Q85. Which of the following describes the purpose of 'Access Control' in cyber security?

A) Restricting access to systems/data to only authorized users based on defined permissions

B) Allowing unrestricted access to everyone

C) Deleting all user accounts

D) Sharing admin passwords publicly

Answer: A) Restricting access to systems/data to only authorized users based on defined permissions

Q86. Which of the following describes 'Principle of Least Privilege'?

A) Granting users only the minimum access/permissions necessary to perform their tasks

ZEEKING INSTITUTE

B) Granting all users full administrative access by default

C) Granting no access to anyone

D) Randomly assigning access levels

Answer: A) Granting users only the minimum access/permissions necessary to perform their tasks

Q87. Which of the following is a common cyber hygiene practice for securing IoT devices at home (like smart cameras)?

A) Changing default passwords and keeping firmware updated

B) Leaving default passwords unchanged

C) Disabling all security features

D) Sharing device access publicly

Answer: A) Changing default passwords and keeping firmware updated

Q88. Which of the following describes 'Incident Response' in cyber security?

A) A structured approach to handling and recovering from a security breach or cyber attack

B) Ignoring security incidents entirely

C) Only applicable to large corporations, never individuals

D) Deleting evidence of an attack immediately

Answer: A) A structured approach to handling and recovering from a security breach or cyber attack

Q89. Which of the following is a recommended first step in personal incident response if your email account is hacked?

A) Changing the password immediately and checking for unauthorized activity/enabling 2FA

B) Waiting a few weeks before taking any action

C) Sharing the new password with the same channel that was hacked

D) Deleting the email account without recovering it

Answer: A) Changing the password immediately and checking for unauthorized activity/enabling 2FA

Q90. Which of the following describes 'Digital Certificate' used in securing websites?

A) An electronic credential that verifies the identity of a website/entity for secure communication

B) A type of antivirus license

C) A type of email signature only

D) A type of internet speed certificate

Answer: A) An electronic credential that verifies the identity of a website/entity for secure communication

Q91. Which of the following organization in India handles cyber security incidents and issues advisories?

A) CERT-In (Indian Computer Emergency Response Team)

B) IRCTC

C) UMANG

D) DigiLocker

Answer: A) CERT-In (Indian Computer Emergency Response Team)

Q92. Which of the following describes the purpose of reporting cyber crimes on the National Cyber Crime Reporting Portal in India?

A) Allowing citizens to report cyber crimes including financial fraud and harassment to authorities

B) Only for reporting internet speed issues

C) Only for booking train tickets

D) Only for paying bills

Answer: A) Allowing citizens to report cyber crimes including financial fraud and harassment to authorities

Q93. Which of the following is a good practice regarding software licenses to avoid security risks from pirated software?

A) Using only licensed/genuine software from trusted sources

B) Always using pirated software for cost savings

C) Downloading cracked software from any website

D) Ignoring software licensing entirely

Answer: A) Using only licensed/genuine software from trusted sources

Q94. Which of the following describes 'Cyber Hygiene' checklist item related to browser extensions?

A) Installing only trusted extensions and regularly reviewing/removing unused ones

B) Installing every available extension regardless of source

C) Never reviewing installed extensions

D) Sharing extension permissions with unknown parties

KENKING INSTITUTE

Answer: A) Installing only trusted extensions and regularly reviewing/removing unused ones

Q95. Which of the following best describes why children/students should be cautious about oversharing personal information online?

A) To protect against risks like identity theft, cyberbullying and predatory behavior
B) Oversharing has no risks at all
C) It is always encouraged for popularity
D) It improves internet speed
Answer: A) To protect against risks like identity theft, cyberbullying and predatory behavior

Q96. Which of the following is a good practice for parents/guardians to help ensure children's online safety, conceptually related to cyber security awareness?

A) Monitoring online activity, using parental controls and educating about online risks
B) Ignoring children's online activity entirely
C) Allowing unrestricted, unsupervised internet access
D) Sharing children's personal information publicly
Answer: A) Monitoring online activity, using parental controls and educating about online risks

Q97. Which of the following describes 'Digital Signature' in the context of secure electronic documents?

A) A cryptographic technique used to validate the authenticity and integrity of a digital document
B) A hand-drawn signature scanned into a document
C) A type of antivirus feature
D) A type of firewall setting
Answer: A) A cryptographic technique used to validate the authenticity and integrity of a digital document

Q98. Which of the following is a benefit of using Digital Signatures for official documents?

A) Ensures the document hasn't been tampered with and verifies the signer's identity
B) Makes documents editable by anyone without detection
C) Removes the need for any security measures
D) Has no legal validity anywhere
Answer: A) Ensures the document hasn't been tampered with and verifies the signer's identity

Q99. Which of the following describes the term 'Whitelist' in cyber security context?

A) A list of approved/trusted entities (websites, apps, IPs) allowed access, blocking everything else by default
B) A list of blocked/malicious entities
C) A type of virus
D) A type of firewall hardware only
Answer: A) A list of approved/trusted entities (websites, apps, IPs) allowed access, blocking everything else by default

Q100. Which of the following describes the term 'Blacklist' in cyber security context?

A) A list of known malicious or untrusted entities that are blocked from access
B) A list of approved entities
C) A type of antivirus license
D) A type of encryption key

ZED-KING INSTITUTE