Top 20 Computer Awareness MCQs for Maharashtra, SSC and Railway 23 April 2024

1. Which of the following is not a positional number system?
   a) Roman Number System
   b) Octal Number System
   c) Binary Number System
   d) Hexadecimal Number System
   Answer: a) Roman Number System
2. The value of radix in the binary number system is _____
   a) 2
   b) 8
   c) 10
   d) 1
   Answer: a) 2
3. The binary equivalent of the decimal number 10 is _____
   a) 0010
   b) 10
   c) 1010
   d) 010
   Answer: c) 1010
4. A computer language that is written in binary codes only is _____
   a) machine language
   b) C
   c) C#
   d) Pascal
   Answer: a) machine language
5. The octal equivalent of 1100101.001010 is _____
   a) 624.12
   b) 145.12
   c) 154.12
   d) 145.21
   Answer: b) 145.12
6. The input hexadecimal representation of 1110 is _____
   a) 0111
   b) E
   c) 15
   d) 14
   Answer: b) E
7. A bit in computer terminology means either 0 or 1.
   a) True
   b) False
   Answer: a) True
8. Convert the binary equivalent 10101 to its decimal equivalent.
   a) 21
   b) 12
   c) 22

d) 31
Answer: a) 21
9. Which of the following is not a binary number?
a) 1111
b) 101
c) 11E
d) 000
Answer: c) 11E
10. Which of the following is the correct representation of a binary number?
a) (124)2
b) 1110
c) (110)2
d) (000)2
Answer: d) (000)2
11. Which field encompasses a variety of computer networks, both public and private, used in everyday jobs?
a) Artificial Intelligence
b) Machine Learning
c) Network Security
d) Information Technology
Answer: c) Network Security
12. Does Network Security provide authentication and access control for resources?
a) True
b) False
Answer: a) True
13. Which is not an objective of network security?
a) Identification
b) Authentication
c) Access control
d) Lock
Answer: d) Lock
14. What is a part of network identification?
a) UserID
b) Password
c) OTP
d) Fingerprint
Answer: a) UserID
15. What is the process of verifying the identity of a user?
a) Authentication
b) Identification
c) Validation
d) Verification
Answer: a) Authentication
16. Which concern of authentication deals with user rights?
a) General access
b) Functional authentication
c) Functional authorization
d) Auto-verification
Answer: c) Functional authorization

17. What does CHAP stand for?
    a) Challenge Handshake Authentication Protocol
    b) Challenge Hardware Authentication Protocol
    c) Circuit Hardware Authentication Protocol
    d) Circuit Handshake Authentication Protocol
    Answer:a) Challenge Handshake Authentication Protocol
18. Which security feature controls access to resources in an operating system?
    a) Authentication
    b) Identification
    c) Validation
    d) Access control
    Answer: d) Access control
19. What is an algorithm used in encryption called?
    a) Algorithm
    b) Procedure
    c) Cipher
    d) Module
    Answer: c) Cipher
20. What is the information transformed in encryption?
    a) Plain text
    b) Parallel text
    c) Encrypted text
    d) Decrypted text
    Answer: a) Plain text