

**3 Yr. Degree/4 Yr. Honours 3rd Semester Examination, 2024**  
(under CCFUP of NEP 2020)

Time: 1½ Hours

Subject : COMPUTER SCIENCE

Full Marks: 40

Course: Multi/Interdisciplinary Course Code : COMP 3031(MDC/IDC) Course Title : Introduction to Cyber Security

Roll No.: ..... Registration No. .... of 20

**INSTRUCTIONS TO THE EXAMINEE**

1. The Question-cum-Answer Booklet comprised of 40 Questions and each Question carrying 1 (one) mark.
2. Each Question possesses 4 (four) Answer Options (A), (B), (C) and (D) of which only one option bears Correct Answer.
3. Completely darken the respective circle for your response as shown below—  
Correct method ● Wrong method ☑ ☒ ☓
4. Each Correct Answer will be credited with 1 (One) Mark.
5. If an Examinee attempts more than one Option for a Question, the attempt will be considered as WRONG Answer.
6. No Mark will be deducted for attempting Wrong Answer or Incorrect attempts.
7. Only Blue/Black Ink Pen is to be used for Answering Question.
8. No Electronic Gadget (Calculator, Mobile Phone, Laptop, I-Pad, Camera etc.), Papers (Other than Admit Card) will be allowed inside the Examination Hall.
9. No Loose sheet will be provided for scribbling and No Paper is to brought in this purpose. Any Examinee found with incriminating Documents in his/her possession— he/she will be Expelled.
10. All rough work must be done in the page provided in the Question-Answer-Booklet, and the said Page of the Booklet **must not be torn out.**
11. No Examinee will be allowed to leave the Examination Hall until an Hour has elapsed from the commencement of the Examination.
12. As per order of the Executive Council all Answer Scripts will be preserved for one year from the date of Publication of Results.

১. Question-cum-Answer Booklet-এ মোট ৪০টি প্রশ্ন আছে এবং প্রতিটি প্রশ্নের মান ১ (এক)।
২. প্রতিটি প্রশ্নের জন্য ৪ (চার)টি করে Option (A), (B), (C) এবং (D) থাকবে, এর মধ্যে একটি সঠিক উত্তর নির্দেশ করবে।
৩. সঠিক উত্তরের জন্য নির্দিষ্ট বৃত্তটিকে সম্পূর্ণ রূপে কালো করতে হবে তা নীচে দেখানো হল—  
সঠিক পদ্ধতি ● ভুল পদ্ধতি ☑ ☒ ☓
৪. প্রতিটি সঠিক উত্তরের মান ১ (এক)।
৫. যদি কোনো পরীক্ষার্থী একটি প্রশ্নের একাধিক উত্তর দেয় তাহলে সেটি ভুল উত্তর হিসেবে গণ্য হবে।
৬. ভুল উত্তরের জন্য কোনো নম্বর বাদ যাবে না।
৭. উত্তর লেখার জন্য কেবলমাত্র নীল অথবা কালো কালির কলম ব্যবহার করা যাবে।
৮. পরীক্ষাকেন্দ্রের মধ্যে কোনো ইলেকট্রনিক্স যন্ত্রাদি (ক্যালকুলেটর, মোবাইল ফোন, ল্যাপটপ, আই-প্যাড, ক্যামেরা ইত্যাদি), কাগজ (কেবলমাত্র অ্যাডমিট কার্ড ছাড়া) নিয়ে প্রবেশ নিষেধ।
৯. হিজিবিজি বা রাফ লেখার জন্য কোনো বাড়তি কাগজ দেওয়া যাবে না এবং এই উদ্দেশ্যে কোনো কাগজ আনা যাবে না। কোনো পরীক্ষার্থীর কাছে নকল-এর মতো অপরাধমূলক কাগজ থাকলে সেই ছাত্র/ছাত্রীকে বহিষ্কার করা হবে।
১০. সমস্ত 'রাফ ওয়ার্ক' প্রশ্ন-উত্তর-পুস্তিকার সঙ্গে থাকা নির্দিষ্ট পাতাতেই করতে হবে এবং উত্তরপত্র জমা দেবার সময় পাতাটি ছিঁড়ে নেওয়া যাবে না।
১১. পরীক্ষা শুরু থেকে এক ঘণ্টা সময় অতিবাহিত না হলে কোনো পরীক্ষার্থী পরীক্ষার হল থেকে বের হতে পারবে না।
১২. বিশ্ববিদ্যালয় কর্ম সমিতি কর্তৃক গৃহীত সিদ্ধান্ত অনুসারে পরীক্ষার ফল প্রকাশের দিন থেকে এক বছরের জন্য উত্তরপত্র সংরক্ষিত থাকবে।



1. The method of hiding the secret is  
☒ (A) Cryptography  
(B) Demography  
(C) Stenography  
(D) Cryptanalysis
2. An \_\_\_\_\_ algorithm transforms ciphertext to plaintext.  
(A) encryption  
☒ (B) decryption  
(C) either (A) or (B)  
(D) neither (A) nor (B)
3. ARPANET stands for—  
☒ (A) Advanced Research Project Agency Network  
(B) Advanced Research Programmed Auto Network  
(C) Advanced Research Project Automatic Network  
(D) Advnaced Research Project Authorized Network
4. TCP stands for—  
(A) Transmission Control Program  
☒ (B) Transmission Control Protocol  
(C) Transfer Control Program  
(D) Transfer Control Protocol
5. What is Cyber Security?  
(A) Cyber Security provides security against malware  
(B) Cyber Security provides security against cyber-terrorists  
(C) Cyber Security protects a system from cyber attacks  
☒ (D) All of the mentioned
6. Who is the father of computer security?  
☒ (A) Auguste Kerckhoffs  
(B) Bob Thomas  
(C) Robert  
(D) Charles
7. Which of the following is a type of cyber security?  
(A) Cloud Security  
(B) Network Security  
(C) Application Security  
☒ (D) All of the above
8. Which of these is an antivirus program type?  
(A) Kaspersky  
(B) Quick heal  
(C) McAfee  
☒ (D) All of the above
9. A \_\_\_\_\_ can be a hardware device or a software program that filters all the packets of data that comes through a network, the internet, etc.  
☒ (A) Firewall  
(B) Antivirus  
(C) Malware  
(D) Cookies
10. Which of these is also malicious software?  
(A) Badware  
(B) Malicious Ware  
☒ (C) Malware  
(D) Illegalware

11. Which is the practice and precautions taken to protect valuable information from unauthorised access, recording, disclosure or destruction?

- (A) Network Security
- (B) Database Security
- (C) Information Security
- ☒ (D) All of the above

12. Which of the following are the features of mobile communication?

- (A) High load balancing capacity
- (B) Highly scalable
- (C) Good network management system
- ☒ (D) All of the above

13. Mobile telephones are used for

- (A) calling
- (B) browsing internet
- (C) making payment
- ☒ (D) All of the above

14. Which of the following malware types does not clone or replicate itself through infection?

- (A) Viruses
- (B) Worms
- ☒ (C) Trojans
- (D) Rootkits

15. ATM means

- (A) Any Time Money
- (B) Auto Truck of Mahindra
- ☒ (C) Automated Teller Machine
- (D) None of the above

16. Abbreviation of UPI—

- ☒ (A) Unified Payment Interface
- (B) Unique Payment Interface
- (C) Union Pay Interface
- (D) Unified Pay Interface

17. UPI is an \_\_\_\_\_ payment service.

- (A) offline
- ☒ (B) online
- (C) mobile net
- (D) None of the above

18. Which is called as Umbrella Organisation?

- (A) RBI
- (B) UPI
- ☒ (C) NPCI
- (D) IBA

19. UPI was launched by which RBI Governor?

- ☒ (A) Raghuram Rajan
- (B) Urjit Patel
- (C) R. Gandhar
- (D) S.S. Mundra

20. Abbreviation of BHIM is—

- ☒ (A) Bharat Interface for Money
- (B) Bharat Interact for Money
- (C) Bill Interface for Money
- (D) None of the above



21. When IT Act, 2000 came into effect?  
☒ (A) October 17, 2000  
(B) October 17, 2001  
(C) November 11, 2000  
(D) November 11, 2001
22. How many schedules are there in IT Act, 2000 originally?  
(A) 3  
☒ (B) 4  
(C) 6  
(D) 20
23. Which is the Act which provides legal framework for e-Governance in India?  
(A) IT (Amendment) Act, 2008  
(B) Indian Penal Code  
☒ (C) IT Act, 2000  
(D) None of the above
24. Which section of IT Act deals with the legal recognition of electronic records?  
(A) Section 2  
(B) Section 5  
(C) Section 6  
☒ (D) Section 4
25. What is the penalty for publishing personal picture without consent, as per IT Act, 2000?  
(A) 5 years imprisonment or 5 lakh rupees penalty or both  
(B) Life-time imprisonment  
☒ (C) 3 years imprisonment or 2 lakh rupees penalty or both  
(D) None of the above
26. IT Act deals with—  
(A) Damage of Furniture  
☒ (B) Damage of Computer  
(C) Land dispute  
(D) None of the above
27. Information Technology Act was passed in the year \_\_\_\_\_.  
(A) 1999  
☒ (B) 2000  
(C) 2008  
(D) 2012
28. Computer virus is a \_\_\_\_\_.  
☒ (A) Programme  
(B) File  
(C) Disk  
(D) Audio
29. A card that is used repeatedly to borrow money or buy products and services on credit is called as  
(A) Credit limit.  
(B) Credit analysis.  
(C) Credit rating.  
☒ (D) Credit card.
30. Rupay card is a \_\_\_\_\_.  
☒ (A) Debit Card  
(B) Credit Card  
(C) Smart Card  
(D) Member Card

31. To provide financial services to the unbanked population in rural/semi urban centers, the device used by Bank Mitra (Business Correspondent) is known as:

- ☒ (A) Micro-ATM.
- (B) Mobile Phone.
- (C) Telephone.
- (D) None of the above

32. \_\_\_\_\_ is a special form of attack using which hacker's exploit-human psychology.

- (A) Cross Site Scripting
- (B) Insecure network
- ☒ (C) Social engineering
- (D) Reverse engineering

33. The use of messaging system to send multiple unsolicited messages is known as

- (A) Hamming.
- (B) Jamming.
- (C) Coming.
- ☒ (D) Spamming.

34. In a phishing, attackers target the \_\_\_\_\_ technology to do social engineering.

- ☒ (A) Emails
- (B) WI-FI network
- (C) Operating systems
- (D) Surveillance camera

35. A cyber attack that disrupts distributed network services by overwhelming a target is known as

- (A) Phishing
- (B) Spoofing
- ☒ (C) DDoS attacks
- (D) Baiting

36. Which of the following is an objective of network security?

- (A) Confidentiality
- (B) Integrity
- (C) Availability
- ☒ (D) All of the above

37. Which connects everyday objects to the internet and allowing them to communicate and exchange data?

- ☒ (A) Internet of Things
- (B) AI
- (C) Database
- (D) Attacks

38. Which of the following term refers to a group of hackers who are both white and black hat?

- (A) Yellow Hat Hackers
- ☒ (B) Grey Hat Hackers
- (C) Red Hat Hackers
- (D) White-Black Hat Hackers

39. KYC means

- ☒ (A) Know Your Customer
- (B) Know Your Character
- (C) Both of the above
- (D) None of the above

40. Can illiterate person be issued Debit card?

- (A) No
- ☒ (B) Yes
- (C) Only in case of joint account
- (D) Only in case he is head of family