

TILAK MAHARASHTRA VIDYAPEETH, PUNE
BACHELOR OF COMPUTER APPLICATIONS
CYBER SECURITY (CS)(464)/
BACHELOR OF SCIENCE (CYBER SECURITY) (760)
EXAMINATION : MAY/JUNE-2026
SEMESTER - III
Sub: Cyber Security II (BCAC23-304, BSCC24-304)

Date : 05/06/2026

Total Marks : 60

Time: 2.00 pm to 4.30 pm

Instructions:

1. All questions are compulsory unless and otherwise stated.
2. Bold figures to the right of every question are the maximum marks for that question.
3. Candidates are advised to attempt questions in order.
4. Answers written illegibly are likely to be marked zero.
5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
6. Draw neat and labeled diagrams wherever necessary.

Q.1. Fill in the blanks.

(5)

1. An Asymmetric Crypto system means a private key and its mathematically related Public Key, which are so related that the public key can verify a Digital Signature created by the private key is called as _____.
a) Digital Signature Certificate b) Digital Signature
c) Key Pair d) Certifying Authority
2. An email message that attempts to trick the recipient into revealing personal information that can be used for unlawful purposes is called a _____.
a) spam b) Hoaxes
c) scams d) phish
3. Any Electronic, Magnetic, Optical, or other High-Speed Data Processing Device or System which Performs Logical, Arithmetic, and Memory Functions by Manipulations of Electronic, Magnetic, or Optical Impulses, and includes all input, Output, Processing, Storage is called as _____.
a) Computer b) Electronic Device
c) Computer Resource d) Computer System
4. A substantial increase in turnover in any account is called as _____.
a) Dormant Account b) Credit Card fraud
c) smurfing d) kitting
5. Files and directories are grouped into units called as _____.
a) partitions b) blocks
c) segments d) filesystems

Q.2. State True/False.

(5)

1. A Device or Collection of Devices, including Input and Output support devices and excluding calculators which are not programmable and capable of being used in conjunction with external files, that contains Computer programmers, Electronic Instructions, is called a computer system.
2. A virus installs a COM file (the virus) for every EXE file found on the disk, which is called a companion virus.
3. In Linux nslookup utility displays information about one or more users on a system.
4. An unsolicited e-mail generated to advertise a service or product is called as Joke.
5. Every command in Linux is a text file.

Q.3. Answer the following. (Solve any 5) (10)

1. Define the term “polymorphic” virus.
2. What is Digital Signature?
3. Define the term “Public Key”.
4. Define the term “Computer Resource”.
5. Give the command to create user account.
6. Give the use of whois command in Linux.

Q. 4. Answer the following in detail. (Solve any 6) (30)

1. Write a short note on Cross Site Scripting.
2. Write a short note on “Reactive Approach”.
3. Write a short note on “Target Environment” used by Virus.
4. Write a short note on “Salami Attack”
5. Write a short note on cheque security features.
6. Explain any two types of Virus.
7. Explain any 5 types of Malwares.

Q. 5. Answer the following in detail. (Solve any 1) (10)

1. Explain any 5 types of Bank & banking related Fraud.
 2. What is "Money Laundering"? Explain in detail “Money Laundering” process.
-