**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, April 2023**

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|  | **3BT6258** | Roll No. | Total Printed Pages: 2 |
| **3BT6258** |  |
| B. Tech III Year VI-Semester (Back) End Semester Examination, April 2023  **(CC)** | |
| **BCC06104 / BCC06101 : Cyber Forensics / Cyber Forensics-An Introduction** | | | |

# Time: **3** Hours. Total Marks: **60**

Min. Passing Marks: **21/24/27**

Attempt **five** questions selecting one question from each Unit. There is internal choice from Unit I to Unit V. Marks of each question or its parts are indicated against each question / parts. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Use of following supporting material is permitted during examination for this subject.

# **1.--------------------------Nil--------------------** **2.------------------Nil-----------------------**

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|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | What is MRU? Define Typed URLs. | **(6)** | Knowing  And  Remembering |
|  |  |  |  |  |
|  | **(b)** | What are Forensic Artifacts? | **(6)** | Knowing  And  Remembering |
|  |  | **OR** |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Q.2** | **(a)** | Importance of Registry in Windows Forensics | **(6)** | Applying |
|  |  |  |  |  |
|  | **(b)** | How we use the Windows Registry in Forensic Investigations | **(6)** | Analyze |
|  |  |  |  |  |
|  |  | **UNIT-II (CO2)** |  |  |
|  |  |  |  |  |
| **Q.3** | **(a)** | Why is computer forensics important? | **(6)** | Applying |
|  |  |  |  |  |
|  | **(b)** | **What is the** Methodology used in Computer Forensics | **(6)** | Applying |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.4** | **(a)** | **What do you understand about the** Forensic Analysis of the Registry | **(6)** | Applying |
|  |  |  |  |  |
|  | **(b)** | Image steganography & Steganalysis and recovering deleted files. How we perform it. | **(6)** | Knowing  And  Remembering |
|  |  |  |  |  |
|  |  | **UNIT-III (CO3)** |  |  |
|  |  |  |  |  |
| **Q.5** | **(a)** | Why storage of system will play an important role in terms of Forensic analysis? | **(6)** | Knowing  And  Remembering |
|  |  |  |  |  |
|  | **(b)** | What do you mean by the network flow? State it with a diagram and explain the techniques uses in-network traffics. | **(6)** | Knowing  And  Remembering |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.6** | **(a)** | Illustrate the purpose of statistical flow analysis in networking. | **(6)** | Knowing  And  Remembering |
|  |  |  |  |  |
|  | **(b)** | Illustrate the logging aggregation.What type of Information does Log Aggregation Capture? | **(6)** | Analyze |
|  |  |  |  |  |
|  |  | **UNIT-IV (CO4)** |  |  |
|  |  |  |  |  |
| **Q.7** | **(a)** | Illustrate the components of the Unix operating system. What are the utilities of the Unix operating system? | **(6)** | Analyze |
|  |  |  |  |  |
|  | **(b)** | Illustrate the applications of Linux. Describe any 8. | **(6)** | Analyze |
|  |  |  |  |  |
|  |  | **OR** |  |  |
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| **Q.8** | **(a)** | What is a virtual desktop? What are the file permissions in Linux? | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | **What command would you use to check how much memory is being used by Linux?** | **(6)** | Analyze |
|  |  |  |  |  |
|  |  | **UNIT V (CO5)** |  |  |
|  |  |  |  |  |
| **Q.9** | **(a)** | Under which section of the IT Act, stealing any digital asset or information is written a cyber-crime. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  | **(b)** | Explain 66C of the IT Act. | **(6)** | Knowing  And  remembering |
|  |  |  |  |  |
|  |  | **OR** |  |  |
|  |  |  |  |  |
| **Q.10** | **(a)** | Give the example of the computer as a weapon cyber-crime. | **(6)** | Analyze |
|  |  |  |  |  |
|  | **(b)** | What is the name of the IT law that India is having in the Indian legislature? | **(6)** | Knowing  And  remembering |